CMA
DISHMACHINES

MODELS AH/B/C/S

SERVICE & PARTS MANUAL

Rev 1.00

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1. Specifications

Electrical and plumbing connections must be made by a qualified service person who will comply with all available Federal, State, and Local Health, Electrical, Plumbing and Safety codes

1.1 Model AH/C

	USA	METRIC
WATER CONSUMPTION		
PER RACK	1.7 GAL.	(6.44 L)
PER HOUR	74 GPH	(280.1 LPH)
OPERATING CYCLE		
WASH TIME-SEC.	45	45
RINSE TIME-SEC.	30	30
DWELL TIME-SEC.	15	15
TOTAL CYCLE	90 SEC.*	90 SEC.*
*Other cycle times are available		
OPERATING CAPACITY		
RACKS PER HOUR (NSF Rated)	40	40
WASH TANK CAPACITY	1.7 GAL.	(6.44 L)
PUMP CAPACITY	52 GPM	(196.84 LPM)
WATER REQUIREMENTS		
REQUIRED MINIMUM TEMP.	120°F	(49°C)
RECOMMENDED TEMP.	140°F	(60°C)
WATER INLET	¾"	—
DRAIN CONNECTION	2"	—
DIMENSIONS		
DEPTH	25"	(63.5 cm)
WIDTH	25 ¾"	(65.4 cm)
HEIGHT	55-56"	(140-142.2 cm)
HEIGHT (SCULLARY)	65-66"	(165-168cm)
MAX CLEARANCE FOR DISHES	17"	(43.18 cm)
MAX CLEARANCE FOR DISHES (S)	27"	(68.58 cm)
STANDARD TABLE HEIGHT	34"	(86.36 cm)
STANDARD DISH RACKS	19 ¾" x 19 ¾"	(50 x 50 cm)
ELECTRICAL RATING	**VOLTS** (60-Hz)	**AMPS**
	115	16
WASH PUMP MOTOR	1 HP	
SHIPPING WEIGHT		
APPROXIMATE	270#	(120 kg)
APPROXIMATE (SCULLARY)	295#	(133.8 kg)

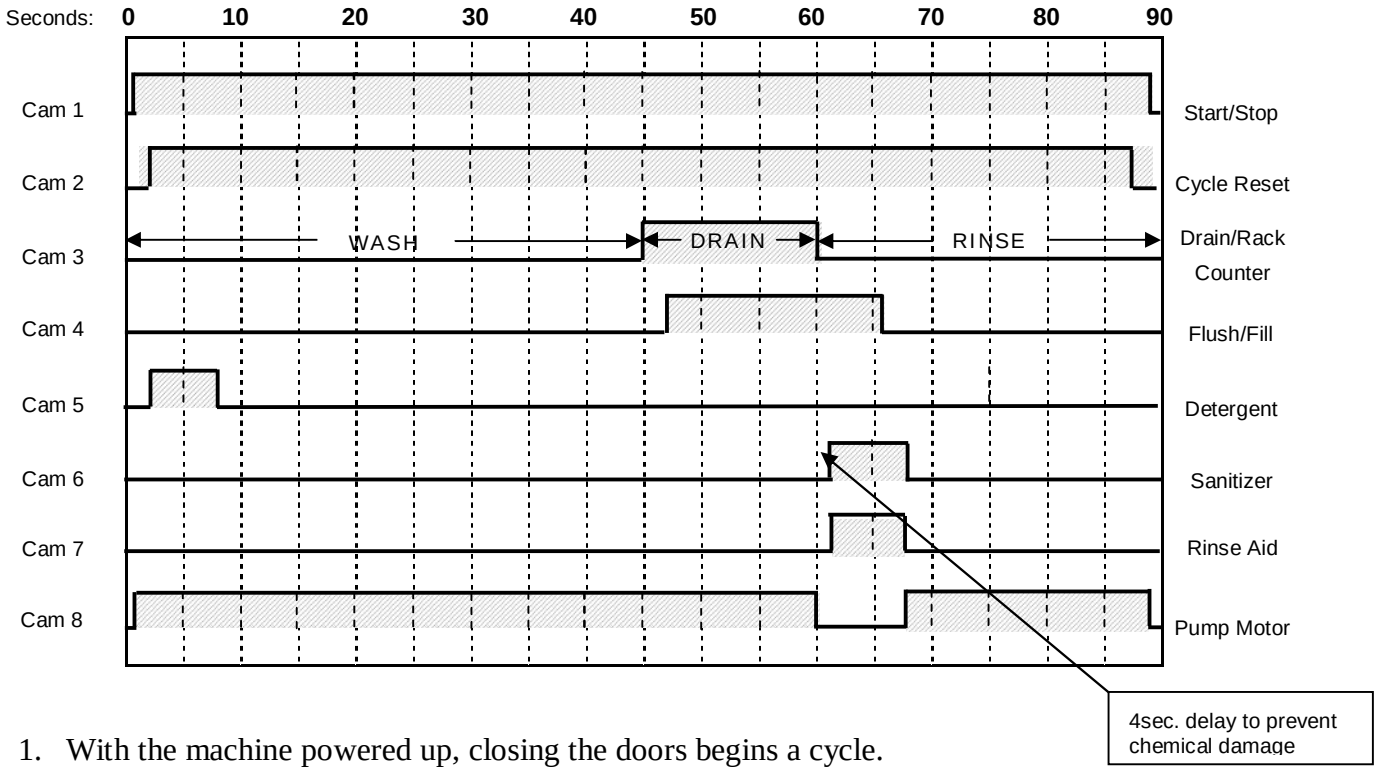
Electrical and plumbing connections must be made by a qualified service person who will comply with all available Federal, State, and Local Health, Electrical, Plumbing and Safety codes

1.2 Model B

	USA	METRIC
WATER CONSUMPTION		
PER RACK	3.0 GAL.	(11.4 L)
PER HOUR	118.4 GPH	(448.2 LPH)
OPERATING CYCLE		
WASH TIME-SEC.	45	45
RINSE TIME-SEC.	30	30
DWELL TIME-SEC.	15	15
TOTAL CYCLE	90 SEC.*	90 SEC.*
*Other cycle times are available		
OPERATING CAPACITY		
RACKS PER HOUR (NSF Rated)	80	80
WASH TANK CAPACITY	3.0 GAL.	(11.4 L)
PUMP CAPACITY (two pumps)	104 GPM	(393.68 LPM)
WATER REQUIREMENTS		
REQUIRED MINIMUM TEMP.	120°F	(49°C)
RECOMMENDED TEMP.	140°F	(60°C)
WATER INLET	¾"	—
DRAIN CONNECTION	2"	—
DIMENSIONS		
DEPTH	25 ¼"	(64 cm)
WIDTH	44 ¼"	(112 cm)
HEIGHT	55-56"	(140-142.2 cm)
HEIGHT (SCULLARY)	65-66"	(165-168 cm)
MAX CLEARANCE FOR DISHES	17"	(43.18 cm)
MAX CLEARANCE FOR DISHES (S)	27"	(68,58 cm)
STANDARD TABLE HEIGHT	34"	(86.36 cm)
STANDARD DISH RACKS	19 ¾" x 19 ¾"	(50 x 50 cm)
ELECTRICAL RATING	**VOLTS** (60-Hz)	**AMPS**
	115	26
WASH PUMP MOTORS (2)	1 HP each	
SHIPPING WEIGHT		
APPROXIMATE	352#	(160kg)
APPROXIMATE	377#	(171kg)

*1.3 AH, B and C Operational Cycle**

The AH, B and C Operational Cycle have a total cycle time of 90 seconds. The Timing Diagram and the steps listed below detail the individual functions that are executed during each Operational Cycle.



1. With the machine powered up, closing the doors begins a cycle.
   a) When the door closes the timer assembly motor is energized through the normally closed contact of the Start/Stop Relay.
   b) Within a couple of seconds cams 1 and 2 close their respective switches. Cam switch 1 (Start/Stop) maintains power to the timer assembly motor throughout the 90-second cycle. Cam switch 2 (Cycle Reset) energizes the Start/Stop Relay.
   c) The Start/Stop Relay, once it is energized by cam switch 2, is held in by its own normally open contact for as long as the doors remain closed.
2. Cam switch 8 controls the pump motor. The pump motor comes ON at the beginning of the operational cycle and continues to run until the end of the drain function (controlled by cam switch 3), at which time it turns off for about eight seconds allowing time for the machine to refill enough to avoid running the pump dry before the pump motor restarts and runs to the completion of the operational cycle.

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* **"S" series same otherwise noted.**

The pump motor runs the pump for the 45-second wash cycle, then pumps the water out through the drain, turns off for about 8 seconds (allowing the machine to refill with clean rinse water) and then runs the pump for the 30-second rinse cycle.

3. Cam switch 3 controls the drain function. At the end of the 45-second wash cycle, cam switch 3 energizes the drain valve solenoid allowing the pump motor to drain the wash water out of the machine. Cam switch 3 also increments the rack counter by one each cycle.

4. Cam switch 4 controls the water solenoid valve on the water supply to flush and fill the machine. At the end of the wash cycle the drain solenoid valve is opened, the pump motor continues to run (to pump the wash water out through the drain), and the flush function begins. At first, flushing the machine because the drain solenoid valve is still open, then—with the drain solenoid valve closed and the pump motor stopped— the machine begins to fill for the rinse cycle. Once the machine has refilled sufficiently, the pump motor restarts carrying out the rinse portion of the cycle as the filling of the wash tank completes. This cam can be adjusted as necessary for water pressure situation.

5. Cam switch 5 controls the detergent pump and turns ON about 5 seconds after the operational cycle is started and runs for a few seconds to provide sufficient detergent for the wash cycle. This cam can be adjusted as necessary for proper detergent dosage. See section **2.1.1 Cam Adjustment**.

6. Cam switches 6 and 7 control the sanitizer and rinse pumps respectively. They turn ON at the beginning of the rinse cycle and run for a few seconds to provide sufficient sanitizer and rinse aid for the rinse cycle. These cams can be adjusted as necessary for proper chemical dosage. See section **2.1.1Cam Adjustment**.

7. At the end of the cycle cam switches 1 and 2 open (de-energize) stopping the cycle. The Start/Stop relay is held energized by its normally open contact until the doors are opened. Opening the doors de-energizes the Start/Stop Relay, which will then cause a new cycle to start when the doors are once again closed.

Note: Holding the START switch on for a couple of seconds will start a cycle without opening and closing the doors.

2. Maintenance

The maintenance procedures detailed in this section are to be performed by qualified personnel.

2.1. Timer assembly

The standard timer assembly consists of a motor turning a common shaft at a rate of one revolution every 90 seconds, which, in turn, rotates eight cams. As the cams rotate, they control various functions and the sequence of the operational cycle (see section **1.3**).

The individual function of each of the 8 cams is identified by a label on the timer assembly. Cams 1 through 8 are positioned from left to right beginning with the "START/STOP" cam (cam 1).

START/ STOP	CYCLE RESET	DRAIN	FILL/ FLUSH	DET.	SANI	RINSE AID	MOTOR PAUSE

*

Timer Assembly Label

***On cam 8, the "MOTOR PAUSE" label may read as "SPARE." It controls the motor function.

Except for cams 1, 2 and 3, all other cams can be user adjusted. The cam positions are all set at the factory and only the cams controlling the chemical pumps (cams 5, 6 & 7) and Fill (cam4) should ever need adjusting. Each micro switch on the timer assembly is turned on and off by the cam its actuator rides on. For all of the cams, except cams 1, 2 and 8, its corresponding switch is ON when its actuator is down in the cam groove. (Cams 1, 2 and 8 are reverse acting and are turned ON when the micro switch actuator is up out of the groove.) Opening the groove of any cam other than cam 8 will increase the amount of time that the micro switch is held ON. The cams are slip-fit and a cam adjustment wrench is provided (a small screw driver or the edge of a table knife can also work to adjust the cams).

2.1.1. Cam Adjustment

The two sides of each cam connect to the shaft with a slip-fit so all cam adjustments are made by rotating one side of the cam on the shaft to either increase or decrease the size of the cam groove.

1. Turn off the circuit breaker providing power to the machine before opening the control box.

   Caution: *One of the terminals on the main power switch remains "hot" even when the machine's main power switch is turned off—so turn the power off at the circuit breaker.*

2. Using the control box key provided, unlock and open the control box.
3. Using the timer assembly label, determine which cam is to be adjusted. Double check by counting over from cam 1 to the cam to be adjusted.
4. Determine which edge of the cam groove to be adjusted is the leading edge (contacts the limit switch actuator first when the shaft is rotating) and which edge of the groove is the trailing edge. The leading edge of the cam groove determines when in the cycle the control action begins and should not be changed.
5. Adjust the trailing edge of the cam groove by rotating the appropriate side of the cam in the proper direction to either increase or decrease the cam's groove; resulting in increasing or decreasing the total time that switch will be held ON.

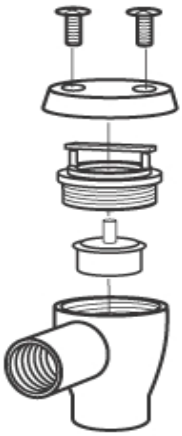
2.2. Vacuum breaker valve replacement procedure

The vacuum breaker valve is a standard plumbing code requirement for any unit that is hooked to a potable water line and generates wastewater in its operation. It must be installed above the highest point where wash or waste could be at any time.

2.2.1. Malfunctioning characteristics

1- Water leaks out air vent holes or around cover when pressure is applied.

- a- Poppet gasket eroded, needs replacing.
- b- Poppet gasket eroded, needs deliming and replacing.
- c- Cover gasket bad, replace.
- d- Low water pressure.



2.2.2. Replacement procedure

1- Poppet gasket

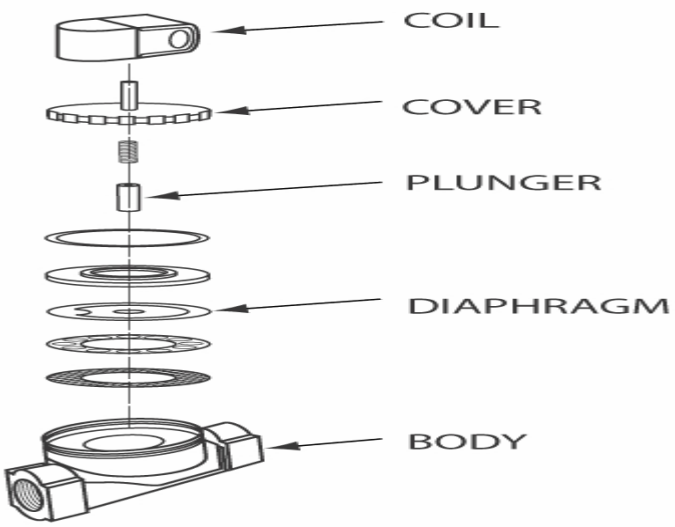
- a- Remove cover with small pipe wrench catching hold of outer edge of cover and unscrew counter clockwise.
- b- Lift poppet float out and inspect float and gasket.
- c- If poppet is deformed in any way, replace entire assembly and gasket.
- d- If gasket only is to be changed, pry off retainer washer and replace gasket, then replace retainer washer.

2.3. Water solenoid valve replacement procedure.

The valve is an electro-magnetic type that includes a design feature that is made to close the valve slowly so that a surge or pounding action caused by high water pressure is eliminated.

The followings are malfunction characteristics:

1- Water will not shut off.
   a- Diaphragm is defective, needs replacement.
   b- Rubber on end of plunger is bad. Replace plunger.
2- Valve does not shut off smoothly and quietly, allows water to surge or pound.
   a- Diaphragm is defective and needs replacement.
   b- Rubber in end of plunger is bad. Replace plunger.
3- Valve does not operate.
   a- Check power supply to coil. If power supply is okay, coil is defective. Replace coil.
   b- Plunger stuck in down position. Determine reason and replace if needed.



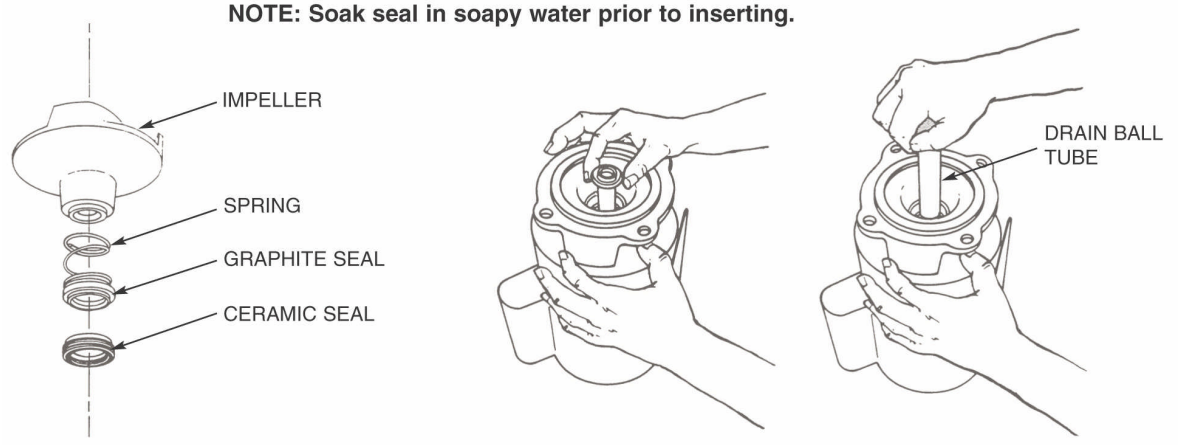
1- Shut off water with hand valve.
2- Remove screw on top of coil holding cover in place and remove coil and unscrew cover.
3- Use spanner wrench or small pipe wrench and grab serrated edge of top cap. Turn cap counter clockwise and hold water lines in process to prevent loosening or bending lines.
4- Plunger rides in hallow brass tube in the center of the cover with spring part up, so small rubber in other end of plunger can sit on the small metal orifice in the center of the diaphragm
5- Diaphragm is held in place by the rubber ring around the out-side. This ring is sometimes difficult to remove, and diaphragm will not come out until ring is removed. Rubber ring accompanied with the kit must be installed with the new diaphragm to ensure good water seal.
6- Install new diaphragm with small orifice in center extending up. Use a Teflon diaphragm on all machines.

7- Wet rubber ring and press in place with fingers. Be sure it is down in groove around entire valve.
8- Put plunger in cover with spring to top side and screw cover on body.
9- Reverse procedure of disassembling procedure.

2.4. Pump seal replacement procedure

1- Turn off master switch.
2- Remove four pump mounting bolts.
3- Separate pump housing. Do not damage flange surface otherwise gasket cannot seal against leaks.
4- Push motor and pump base back away from housing and turn so impeller is facing you.
5- Remove cap from the opposite end of the motor and insert large blade screwdriver in the slot of the motor shaft to keep shaft from turning.
6- Turn impeller counter-clockwise and unscrew from shaft. It may be necessary to tap vein of the impeller with a punch and hammer if it will not break loose with turning pressure (spray impeller w/ WD-40).
7- Remove spring, porcelain and the rubber seal from pump base. It may be necessary to clean the shaft and the pump base with a soft clean rag.
8- Using the drain ball tube or other 1" tubing, insert the rubber seal into the pump base the same direction as the old rubber seal. If necessary, using a mallet, gently hammer on drain ball to work the seal in place. Note: rubber seal must be perfectly straight when installed otherwise it may cause leakage around the shaft base (apply soap).
9- Insert the seal on the shaft as shown with spring on top.
10- Impeller now can be threaded back on the shaft by shaft being held with a large blade screwdriver.
11- Hand tightens impeller only.

NOTE: Soak seal in soapy water prior to inserting.



2.5. Quick service guide

TECHNICAL ISSUE	CAUSE	SOLUTION
Starts with doors open	Faulty #1 micro switch (start/stop)	Replace micro switch, P/N 00411.00
	Faulty door switch	Replace switch, P/N 00557.55
Continues cycle	Faulty #1 micro switch (start/stop)	Replace micro switch, P/N 00411.00
	Faulty start/fill switch	Replace switch, P/N 00421.40
	Faulty door switch	Replace door switch, P/N 00557.55
Wash motor will not shut off	Delimer switch in wrong position	Switch to NORMAL position
	Faulty motor contactor	Replace contactor, P/N 00404.82
Sanitizer pump does not run	Faulty #6 micro switch	Replace micro switch, P/N 00411.00
	Delimer switch in wrong position	Switch to NORMAL position
	Faulty sanitizer pump motor	Replace sani motor, P/N 00416.00
Water solenoid leaking	Debris inside water solenoid valve	Clean and replace diaphragm, P/N 00706.00
	High water pressure on supply line	Decrease water pressure
	Faulty water solenoid valve	Replace valve, P/N 00705.00
Does not fill or hold water in tank	Leaking drain ball	Replace drain ball, P/N 00121.00
	Faulty #4 micro switch (Fill)	Replace micro switch, P/N 00411.00
	Debris inside water solenoid valve or Faulty valve	Clean and replace diaphragm/valve , P/N 00706.00, P/N 00705.00
Vacuum breaker leaks	Worn internal vac. Brkr parts	Replace or clean parts, P/N 00735.00
	Faulty check valve	Replace check valve, P/N 00715.00
	Low incoming water pressure	Increase water pressure
Only runs when start/fill switch is depressed	Faulty #1 micro switch (start/stop)	Replace micro switch, P/N 00411.00
	Faulty Door switch	Replace door switch, P/N 00557.55
Will not start/nothing works	Wall breaker tripped	Reset breaker
	Master on/off switch on machine turned off, or faulty	Reset or replace master switch, P/N 00433.00
Runs, but none of the other functions engage	Faulty #2 Micro switch (cycle reset)	Replace micro switch, P/N 00411.00
	Faulty ice cube relay (yellow relay)	Replace relay, P/N 00631.00
	Faulty motor contactor	Replace contactor, P/N 00404.82

2.6. Troubleshooting

PROBLEM	LIKELY CAUSE	SOLUTION
Machine inoperative	Power off at circuit breaker	Reset circuit breaker
	Defective master power switch	Replace master power switch **P/N: 00433.00**
Motor inoperative	Door is not fully closed	Close door
	Defective roller door switch	Replace roller door switch **P/N: 00562.00**
	Defective timer assembly (Cam 8)	Replace timer assembly* **P/N: 00407.80**
	Defective pump motor contactor	Replace contactor **P/N: 00404.82**
	Defective motor	Replace motor **P/N: 00201.00**
	Defective Delime-Off-Normal Switch	Replace Toggle switch **P/N: 00475.00**
Motor runs with door open	Defective roller door switch	Replace roller door switch **P/N: 00562.00**
	Defective pump motor contactor	Replace contactor **P/N: 00404.82**
Water temperature below 120° F.	Low incoming water temperature	Turn up supply water heater
		Insulate supply water pipe
	Cold water mixing with supply	Isolate hot water from cold water
Low rinse water flow	Limed up rinse arm spray nozzles	Delime rinse arm nozzles
With power on, activating start switch does not begin cycle	Defective start/fill switch	Replace rocker switch **P/N: 00421.40**
	Defective timer assembly (Cam 1)	Replace timer assembly* **P/N: 00407.80**
Activating fill switch does not fill machine	Defective water solenoid valve	Replace water solenoid valve **P/N: 00705.00**
	Defective start/fill switch	Replace rocker switch **P/N: 00421.40**

*The timer assembly motor (**P/N: 00407.80**) or micro switches (**P/N: 00411.00**) can be replaced independently if that's the only component that's failed.

PROBLEM	LIKELY CAUSE	SOLUTION
Fill water won't shut off	Defective water solenoid valve	Replace water solenoid valve **P/N: 00705.00**
	Defective start/fill switch	Replace rocker switch **P/N: 00421.40**
	Defective timer assembly (Cam 4)	Replace timer assembly***** **P/N: 00407.80**
Running light does not light while motor runs	Defective running light	Replace lighted rocker switch **P/N: 00421.40**
Detergent pump does not run	Defective detergent pump motor	Replace pump motor **P/N: 00416.00**
	Defective timer assembly (Cam 5)	Replace timer assembly***** **P/N: 00407.80**
Sani pump does not run	Defective sani pump motor	Replace pump motor **P/N: 00416.00**
	Defective timer assembly (Cam 6)	Replace timer assembly***** **P/N: 00407.80**
Rinse aid pump does not run	Defective rinse aid pump motor	Replace pump motor **P/N: 00416.00**
	Defective timer assembly (Cam 7)	Replace timer assembly***** **P/N: 00407.80**
Activating detergent primer switch does not run pump	Defective primer switch	Replace primer switch **P/N: 03470.00**
	Defective detergent pump motor	Replace pump motor **P/N: 00416.00**
Activating sani primer switch does not run pump	Defective primer switch	Replace primer switch **P/N: 03470.00**
	Defective sani pump motor	Replace pump motor **P/N: 00416.00**
Activating rinse aid primer switch does not run pump	Defective primer switch	Replace primer switch **P/N: 03470.00**
	Defective rinse pump motor	Replace pump motor **P/N: 00416.00**
Counter does not increment	Defective counter	Replace counter **P/N: 03408.50**
	Defective timer assembly (Cam 3)	Replace timer assembly***** **P/N: 00407.80**
Scrap tray overflowing	Scrap tray clogged	Clean out scrap tray
	Drain plugged	Unplug drain

*The timer assembly motor (**P/N: 00407.80**) or micro switches (**P/N: 00411.00**) can be replaced independently if that's the only component that's failed.

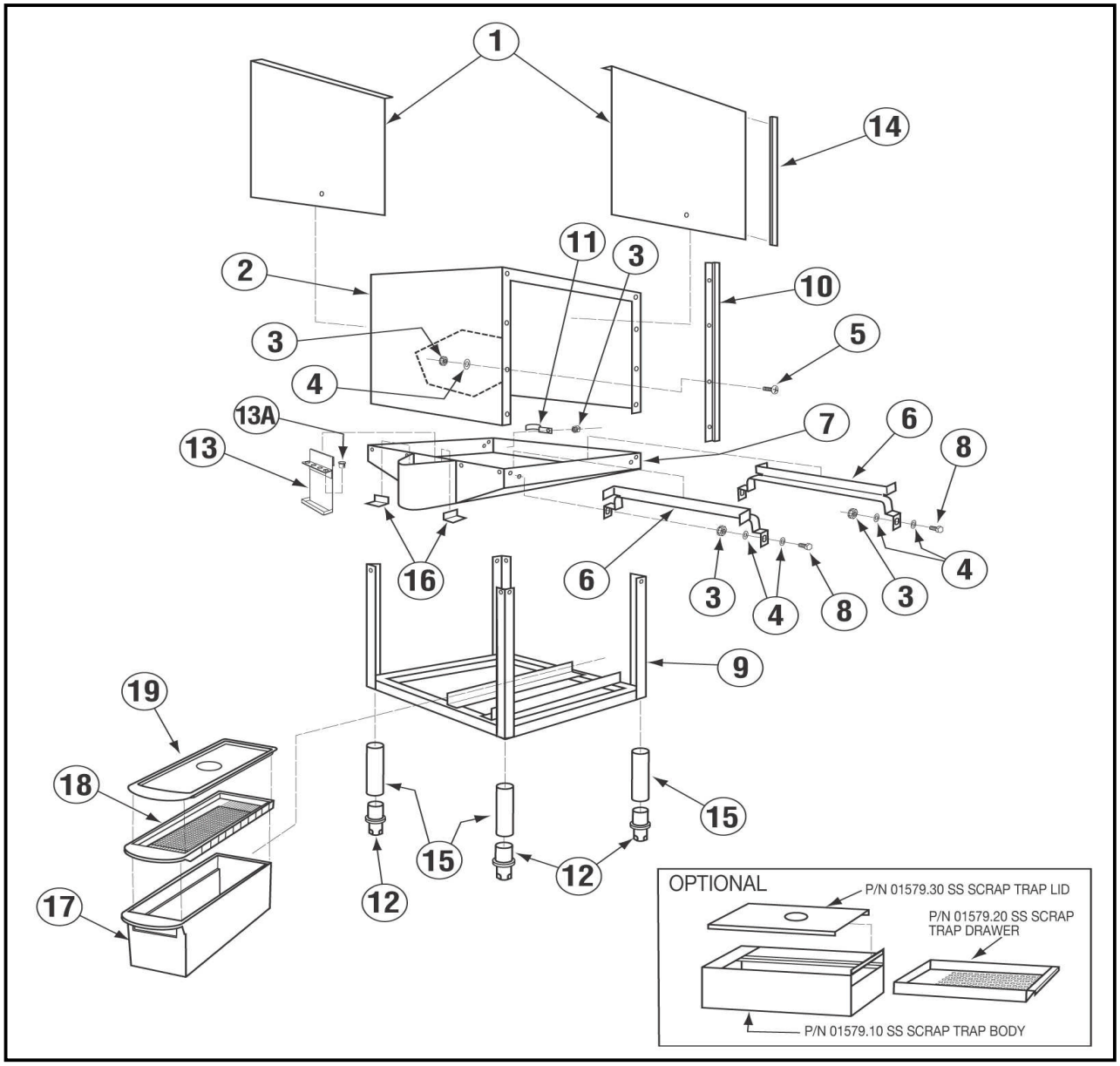
3. Parts Manual

3.1. Initial Parts Kit (P/N 01100.20)

P/N	DESCRIPTION	Qty
00100.00	Drain Ball Solenoid 120V	1
00120.00	Thermometer (Bi Metal)	1
00121.00	Drain Ball	1
00200.10	Pump Assy 110/220V 60Hz (Open)	1
00206.00	Pump Seal Kit	1
00304.03	Spray Arm B L1-C & L-1X	1
00304.06	Spray Arm A & C	1
00308.50	Spray Arm End Plug SS	1
00341.00	Spray Arm Bearing (Cleanable)	1
00363.00	Spray Base Lock Pin	1
00404.82	Motor Contactor 120 VAC	1
00411.00	Micro Switch	1
00415.00	Peristaltic Pump Assy 120V/60Hz	1
00418.00	Peristaltic Pump Cover	1
00421.40	Start/Fill switch	1
00433.00	Master Switch (30 Amp)	1
00435.00	Squeeze Tube 8" Silicone	1
00500.00	Timer Motor 90 Sec 110V/60Hz	1
00562.00	Roller Door Switch	1
00631.00	Ice Cube Relay 120V	1
00706.00	3/4 Water Solenoid Repair Kit JE	1
00715.00	1/2 Ball Check Valve	1
00735.00	3/4 Vac Breaker Rep Kit Watts	1
00738.10	Solenoid Coil JE 120V (3/4 &1/2)	1

3.2. Exploded View Drawings

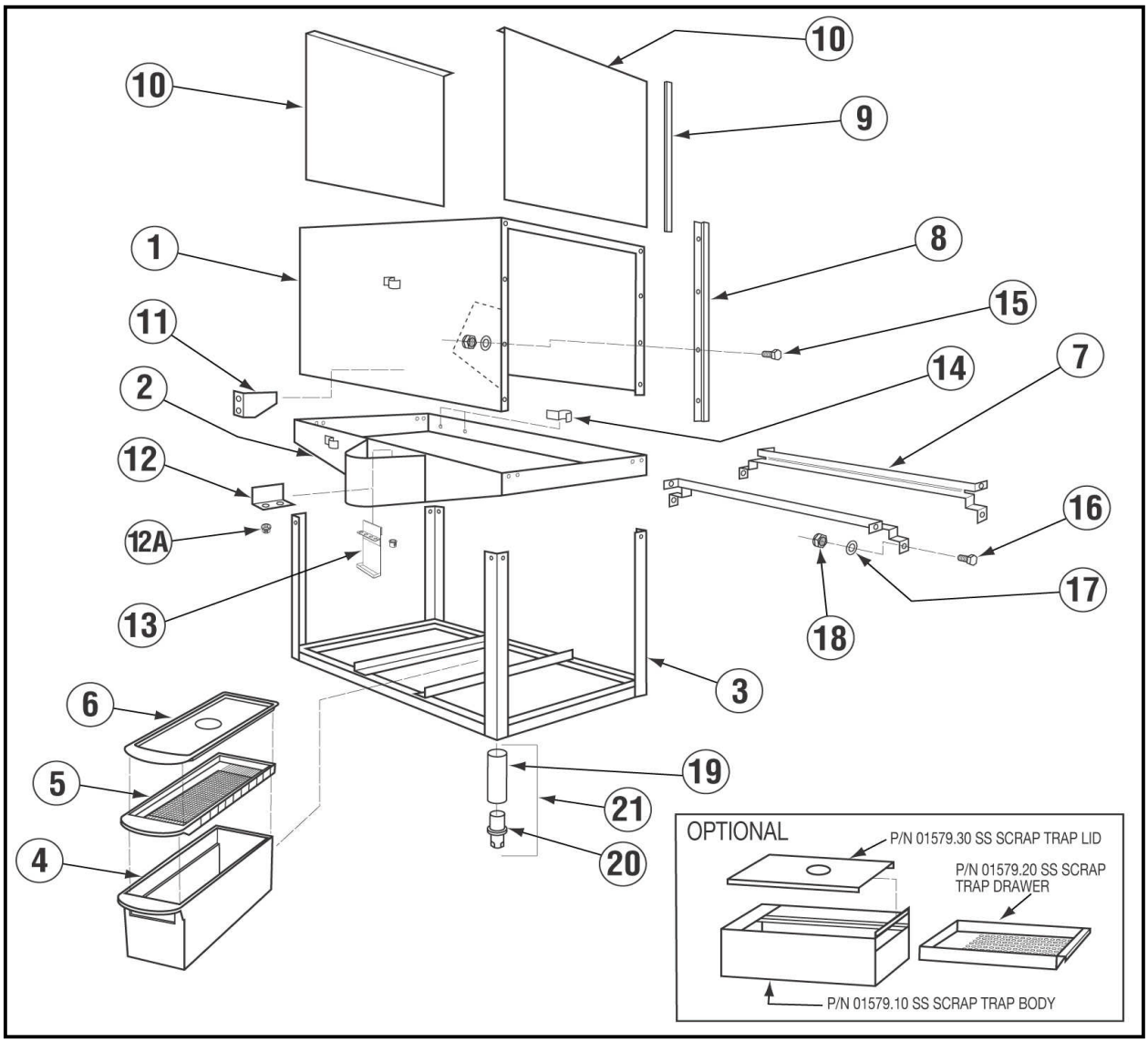
3.2.1. Cabinet Assembly for Model AH



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	2	01506.30	Door
2	1	01530.02	Wrapper
3	33	00912.00	1/4-20 Lock Nut
4	50	00926.00	SS Washer 1/4"
5	16	00905.00	1/4-20 x 1/2" Truss Head Bolt
6	1	01505.02	Tray Track (Set)
7	1	01531.02	Pan
8	17	00906.00	1/4-20 x 1/2" Hex Head Bolt
9	1	01532.52	Frame Stand
10	4	01554.30	EZ Glide Door Guide SS

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
11	3	00725.50	1/2" Plumbing Strap
12	4	01310.00	Bullet Foot
13	1	01558.00	Chemical Tube Support
13A	4	00427.00	Line Bracket Snap Bushing
14	4	00636.10	EZ Glide Plastic Guide
15	4	01572.10	SS Leg (A, AH, C, B)
16	2	01571.00	Drain Baffle
17	1	01579.10	Scrap Trap Body Molded
18	1	01579.20	Scrap Trap Drawer Molded
19	1	01579.25	Scrap Trap Lid Molded

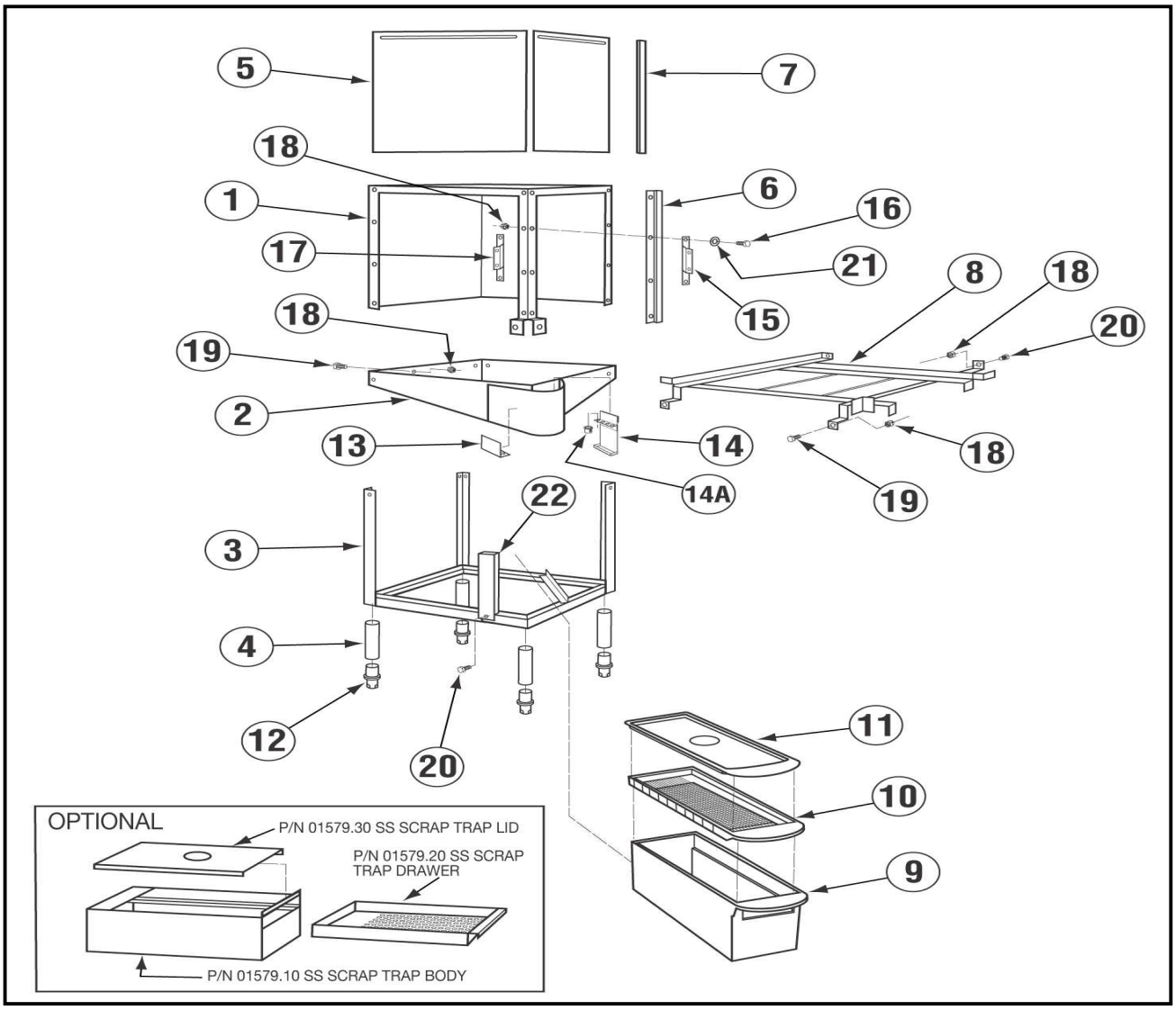
3.2.2. Cabinet Assembly for Model B



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	01530.03	Wrapper (TM-B)
2	1	01501.03	Pan Double (B)
3	1	01532.53	Stand TM-B (w/o Legs)
4	1	01579.10	Scrap Trap Body Molded
5	1	01579.20	Scrap Trap Drawer Molded
6	1	01579.25	Scrap Trap Lid Molded
7	1	01505.03	Tray Track B (Set of 2)
8	4	01554.30	EZ Glide Door Guide SS 21 1/8"
9	4	00636.10	EZ Glide Door Guide (Plastic)
10	2	01506.30	SS Door (A, B, C, M, CMA-44)
11	2	01505.13	Support Bracket for B Tray Track

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
12	2	01571.00	Drain Baffle
12A	4	00427.00	Snap Bushing 375-4
13	1	01558.20	Chemical Tube Support Bracket
14	3	00725.50	1/2" Plumbing Strap
15	16	00905.00	Trusshead Bolt 1/4"-20 x 1/2"
16	22	00906.00	Hex Head Bolt 1/4"-20 x 1/2"
17	72	00924.00	SS Washer, 1/4"
18	38	00912.00	SS Nylon Lock Nut, 1/4"
19	4	01572.10	SS Leg (A, AH, C, B)
20	4	01310.00	Bullet Foot
21	---	01145.00	Leg Assembly, 10" w/Bullet Foot

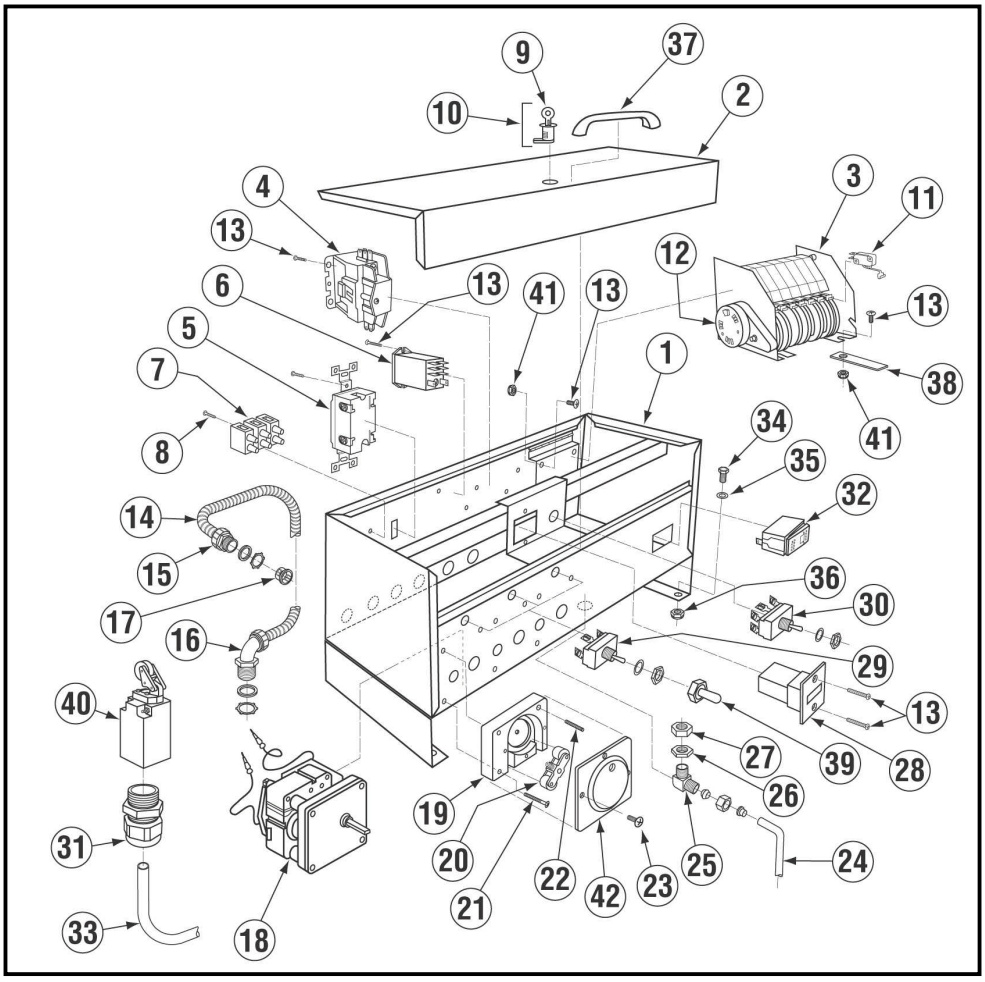
3.2.3. Cabinet Assembly For Model C



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	01500.14	Wrapper Corner (C)
2	1	01501.04	Frame Pan (C)
3	1	01532.54	Frame Stand
4	4	01572.10	Stand Legs (A, AH, C, B)
5	2	01506.30	Door A, B, C, M, CMA-44
6	1	01554.30	Door Guide SS 21 1/8"
7	1	01636.10	EZ Glide Door Guide (Plastic)
8	1	01505.04	Tray Track Corner
9	1	01579.10	Scrap Trap Body Molded
10	1	01579.20	Scrap Trap Drawer Molded
11	1	01579.25	Scrap Trap Lid Molded

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
12	4	01310.00	Bullet Feet
13	2	01571.00	Drain Buffle
14	1	01558.20	Chemical Tube Support Bracket
14A	4	00427.00	Line Bracket Snap Bushing
15	1	00101.10	Solenoid Bracket CRH
16	16	00905.00	Trusshead Bolt 1/4"-20 x 1/2"
17	1	00101.20	Solenoid Bracket CLH
18	34	00912.00	Nylon Lock Nut, 1/4"-20
19	12	00914.10	Hexhead Bolt ¼-20 x 5/ 8 "
20	12	01906.00	Hexhead Bolt ¼-20 x ½ "
21	68	01145.00	Leg Assembly, 10" w/Bullet Foot
22	1	01570.14	Pan Support Bracket C

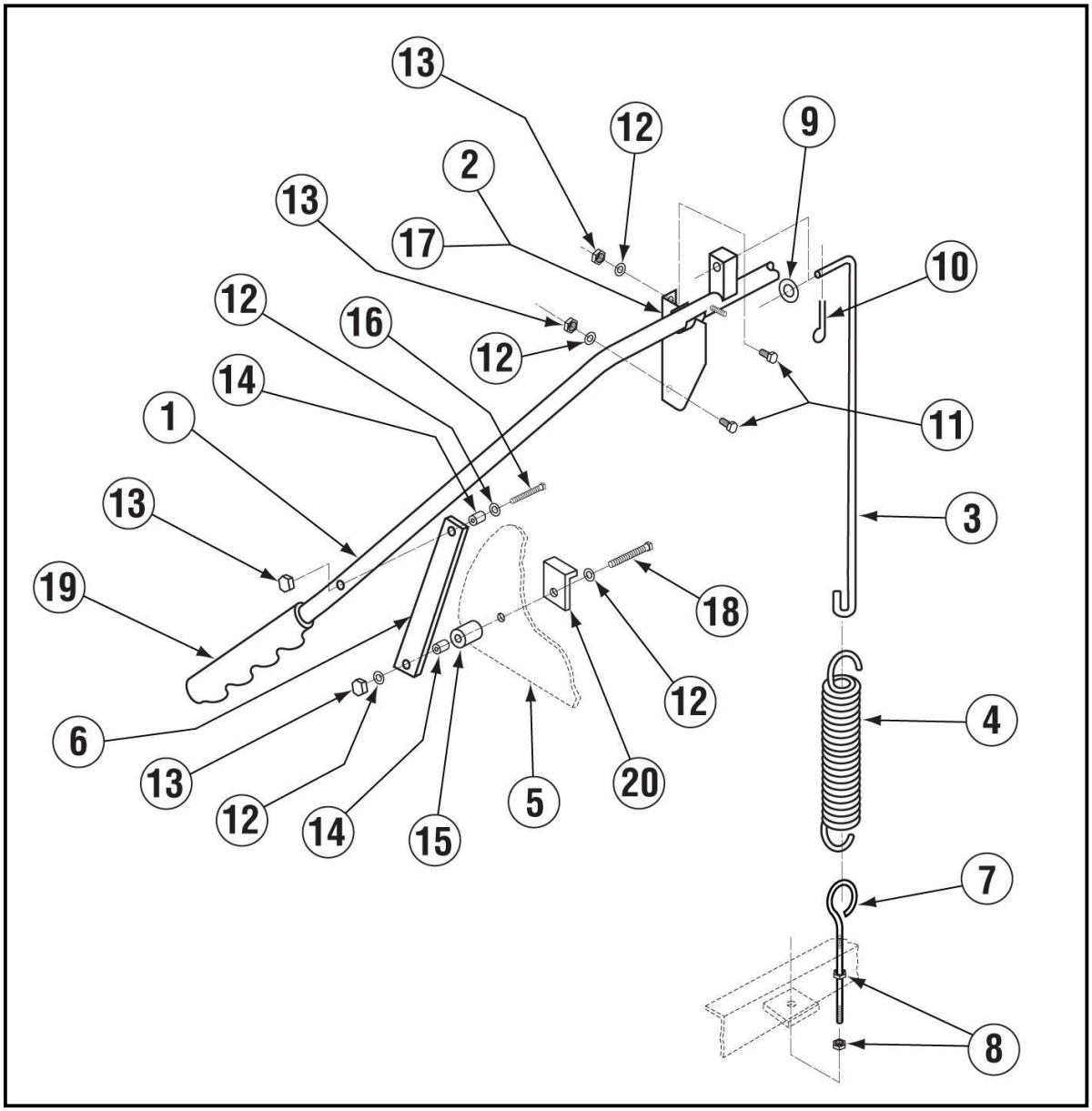
3.2.4. Control Box Assembly for Model AH,B and C



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	01503.14	Control Box Body AH-B-C
2	1	01504.14	Control Box Lid AH-B-C
3	1	00407.80	Timer 90 Sec 8 Cam 120V
4	1(2)	00404.82	Motor Contactor 120V AH/C (B)
5	1	00433.10	Master Switch (20Amp)
6	1	00631.00	Ice Cube relay 120V
7	1	00454.10	3 Pole Socket Terminal Block
8	1	13825.00	8-32 X 1" Pan Head Screw
9	1	00450.00	Key Only
10	1	00449.00	Lock and Key
11	8	00411.00	Microswitch
12	1	00500.00	Timer Motor 120V (For 90Sec Timer)
13	4	00911.50	8-32 X 3/8" Pan Head Screw
14	AR	00400.00	Conduit 3/8" Sealtite
15	2	00401.00	St. Straight 3/8" Connector
16	4	00402.00	St. 90Deg 3/8" Connector
17	4	00438.00	Snap Bushing 875-11
18	3	00416.00	Peristaltic Pump Motor 120V
19	3	00417.00	Peristaltic Pump Block
20	3	00419.00	Peristaltic Pump Rotor
21	6	00919.00	8-32 X 1 ½" Panhead Bolt

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
22	3	00918.00	8-32 X 1 ½" Fillister Bolt
23	12	00911.00	8-32 X ½" Panhead screw
24	1	00464.07	3/8" SS Tubing (For Solenoid Wire
25	1	00436.00	3/8" 90Deg Elbow Comp X Mip
26	1	00712.00	3/8" jamb Nut (Plated)
27	1	00712.30	3/8" jamb Nut (standard)
28	1	03408.50	Counter (Panel Mount) 120V
29	3	03470.00	Primer Switch (Momentary)
30	1	00475.00	Delimer Switch (DPDT 15Amp)
31	1	00562.60	Roller Switch Connector
32	1	00421.40	Start/Fill Switch (With light)
33	3FT	00546.00	Switch Cord
34	4	00914.00	¼ " –20 X ¾" Hex Head Bolt
35	4	00922.00	¼" Lock Star Washer
36	4	00912.00	¼"-20 Nylon Lock Nut
37	1	00535.00	Control Box Lid Handle
38	1	01514.00	Timer Support Bar
39	4	00470.10	Toggle Switch Rubber Boot
40	1	00562.00	Roller Switch
41	1	00927.00	8-32 Nylon Lock Nut
42	3	00418.00	Peristaltic Pump Cover

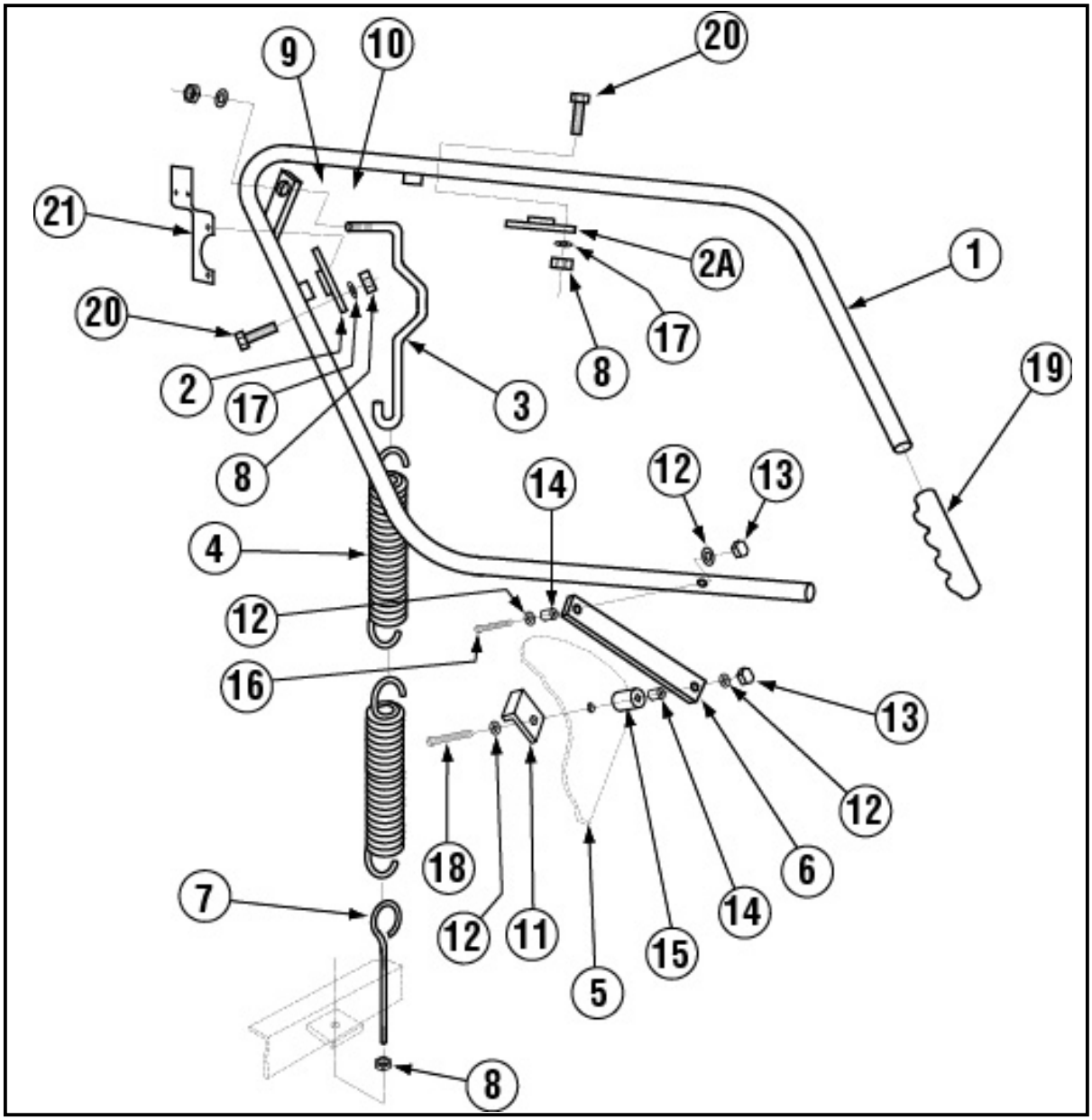
3.2.5. Door Actuator Assembly



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00613.32	Door Handle, 1" (Model AH)
		00613.33	Door Handle, 1" (Model B)
2	1	01556.50	Door Handle Support, 1" (Right)
3	2	00603.07	Door Spring Extension Rod
4	2	00602.00	Door Spring
5	2	01506.30	Door (Cut Away)
6	2	01553.00	Door Handle Link
7	2	00606.00	5/16-18 x 7" Eyebolt
8	2	00913.00	5/16-18 Nut
9	2	00926.00	5/16" SS Washer
10	2	00900.00	Cotter Pin

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
11	4	00906.00	1/4-20 x 1/2" Hex Head Screw
12	6	00924.00	1/4" SS Washer
13	8	00912.00	1/4-20 Nylon Locknut
14	4	00610.00	Door Handle Spacer, Small
15	4	00611.00	Door Handle Spacer, Large
16	2	00910.00	1/4-20 x 1-1/2" Hex Bolt
17	1	01555.50	Door Handle Support, 1" (Left)
18	2	00903.00	1/4-20 x 1-3/4" Hex Head Bolt
19	2	00607.04	Door Handle Cap, 1"
20	2	01552.00	Door Stop

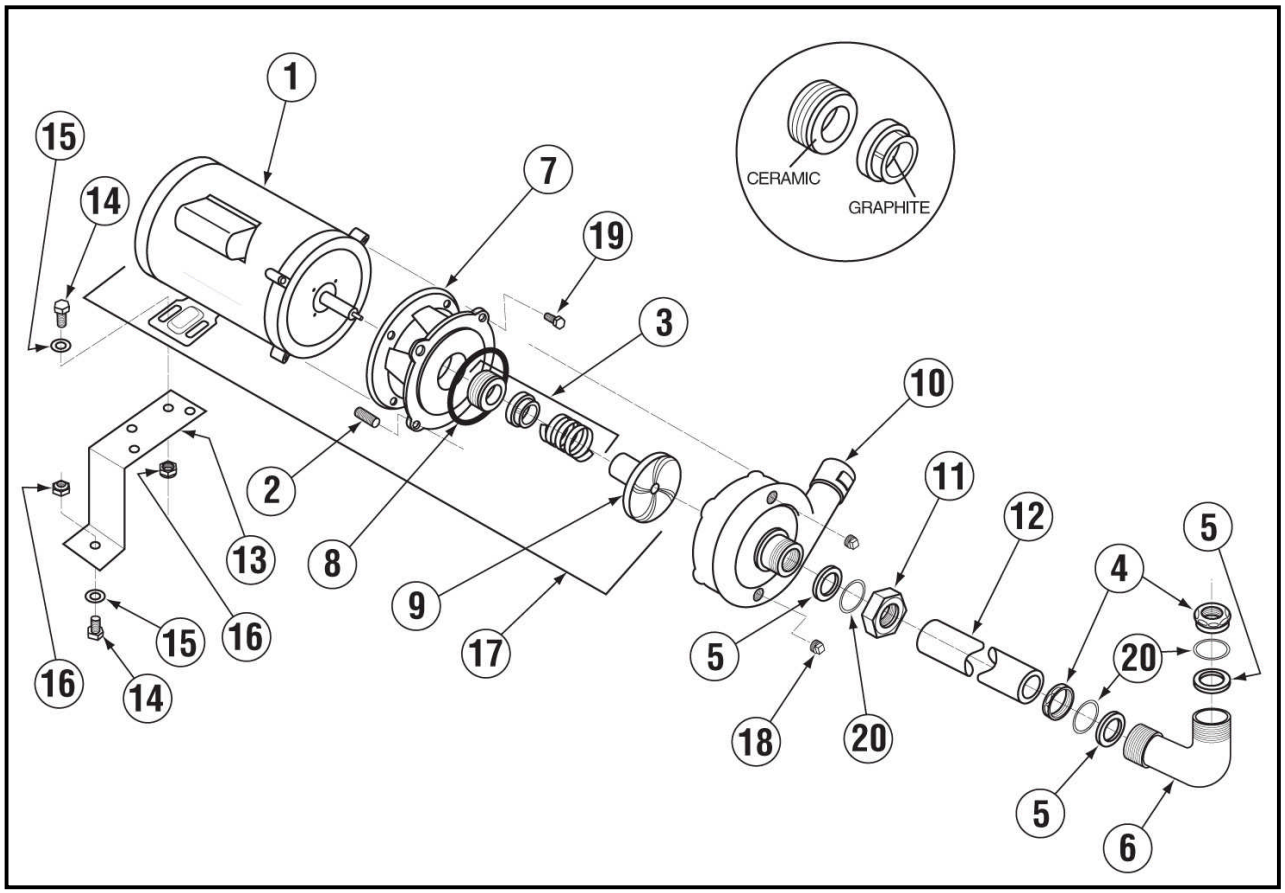
3.2.6. Door Actuator Assembly for Model C



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00613.04	Door Handle
2	1	00619.34	Door Handle Mounting Plate, Long
2A	1	00619.44	Door Handle Mounting Plate, Short
3	1	00603.04	Extension Rod
4	2	00602.00	Door Spring
5	2	01506.30	Door (Cut Away)
6	2	01553.00	Door Handle Link
7	1	00606.00	5/16-18 x 7" Eyebolt
8	9	00913.00	5/16-18 Nut
9	9	00926.00	5/16 SS Washer
10	1	13805.00	5/16-18 Nylon Lock Nut

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
11	2	01552.00	Door Stop
12	6	00924.00	1/4" SS Washer
13	4	00912.00	1/4-20 Nylon Lock Nut
14	4	00610.00	Door Handle Spacer, Small
15	4	00611.00	Door Spacer, Large
16	2	00903.00	1/4-20 x 1-3/4" Hex Head Bolt
17	8	00926.00	5/16" SS Washer
18	2	00910.00	1/4-20 x 1-1/2" Hex Head Screw
19	2	00607.04	Door Handle Cap
20	8	00920.00	5/16-18 x 3/4" Hex Head Bolt
21	1	00563.20	Limit Switch Door Bracket

3.2.7. Pump Assembly

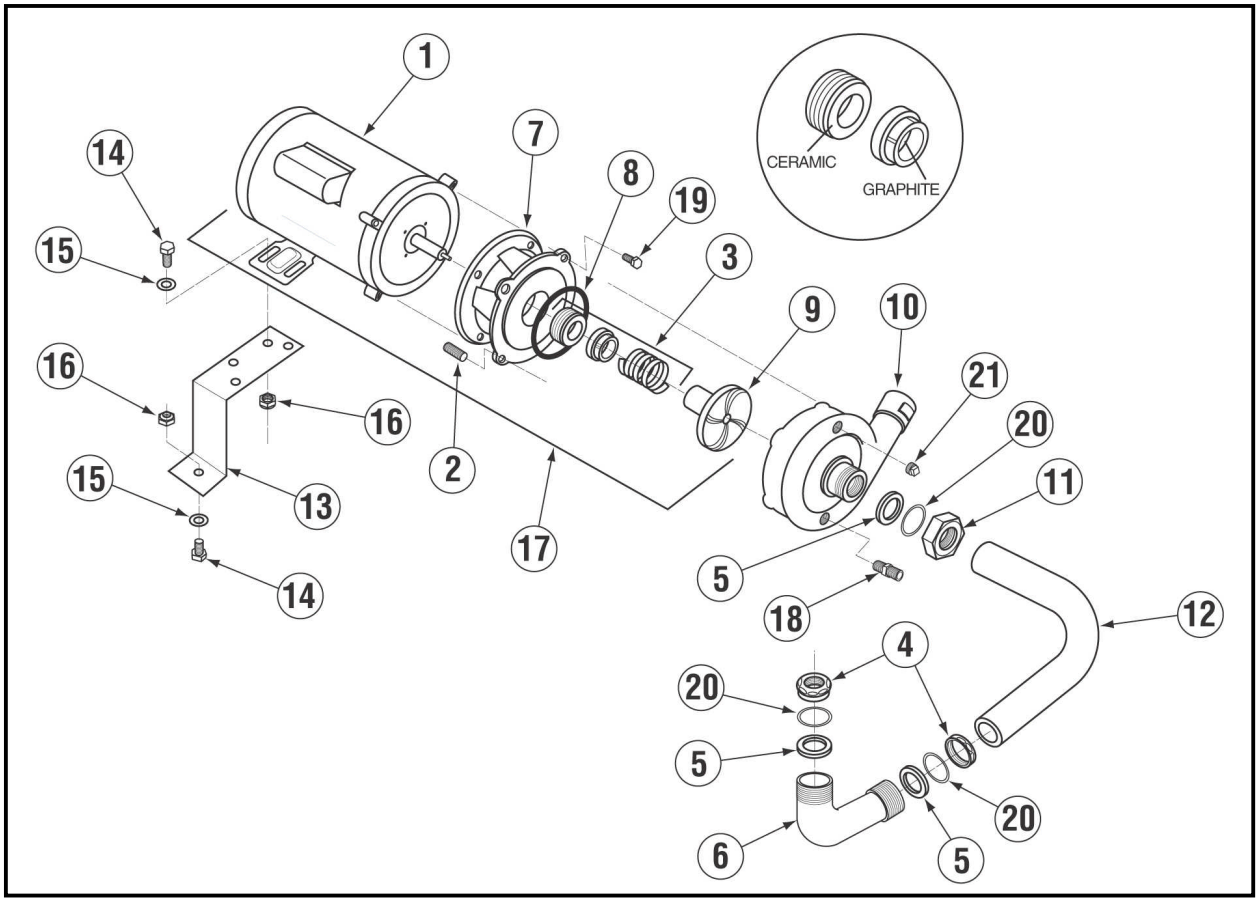


ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00201.00	Pump Motor, 1 HP
2	2	00975.00	3/8"-16 x 1 ½" SS Stud
3	1	00206.00	Pump Seal Kit
4	2	00207.00	1 ½" x 1 ¼" Slip Joint Nut
5	3	00208.00	Slip Joint Nut Gasket
6	1	00768.20	Pump Inlet Elbow SS Casting
7	1	03224.00	Pump Base Small
8	1	03226.00	Pump O-Ring
9	1	03222.05	Open Impeller
10	1	04206.00	Pump Cover, Small

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
11	1	04204.00	Compression Nut (2.5")
12	1	00246.01	Motor Suction Tube
13	1	13916.00	Motor Support Bracket
14	1	00906.00	1/4"-20 x ½" Hex Head Bolt
15	1	00924.00	¼" SS Washer
16	1	00912.00	1/4"-20 Nylon Lock Nut
17*	1	00200.10	Pump Assy.
18	1	00214.50	1/2 Comp x 3/8" M.I.P. F.T.G.
19	6	00921.00	3/8"-16 x ¾" SS Head Bolt
20	3	00208.20	Slip Joint Nut Friction Ring

*P/N 00200.10 includes items 1, 3, 7, 8, and 9 already assembled.

3.2.8. Pump Assembly For Model B

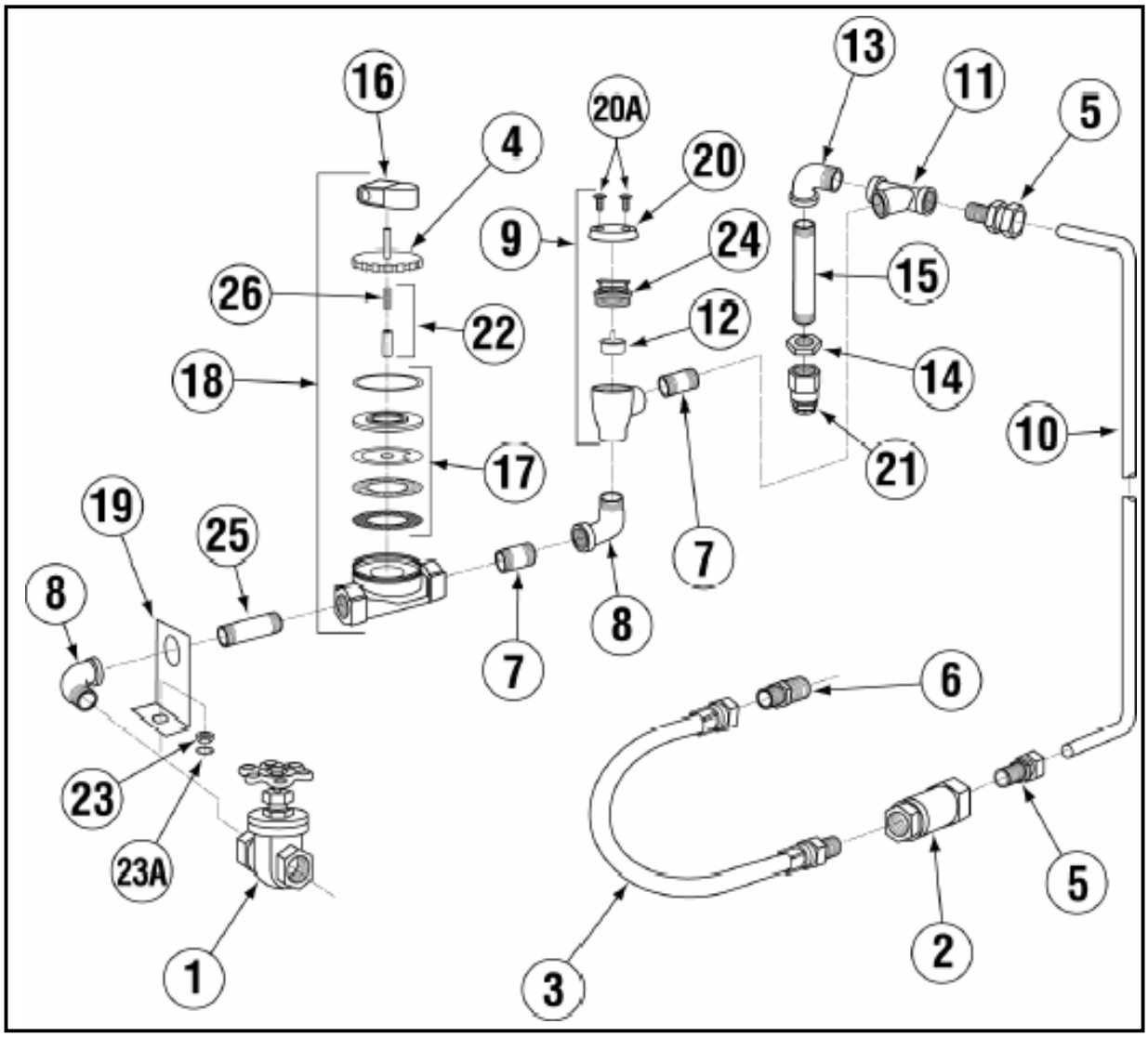


ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00201.00	Pump Motor, 1 HP
2	2	00975.00	3/8"-16 x 1 ½" SS Stud
3	1	00206.00	Pump Seal Kit
4	2	00207.00	1 ½" x 1 ¼" Slip Joint Nut
5	3	00208.00	Slip Joint Nut Gasket
6	1	00768.20	Pump Inlet Elbow SS Casting
7	1	03224.00	Pump Base Small
8	1	03226.00	Pump O-Ring
9	1	03222.05	Open Impeller
10	1	04206.00	Pump Cover, Small

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
11	1	04204.00	Compression Nut (2.5")
12	1	00246.23	Motor Suction Tube
13	1	13916.10	Motor Support Bracket
14	3	00906.00	1/4"-20 x ½" Hex Head Bolt
15	3	00924.00	¼" SS Washer
16	3	00912.00	1/4"-20 Nylon Lock Nut
17*	1	00200.10	Pump Assy.
18	1	00214.50	1/2 Comp x 3/8" M.I.P. F.T.G.
19	6	00921.00	3/8"-16 x ¾" SS Head Bolt
20	3	00208.20	Slip Joint Nut Friction Ring
21	1	00238.00	3/8" Mail Plug

*P/N 00200.10 includes items 1, 3, 7, 8, and 9 already assembled.

3.2.9. Plumbing System Assembly for Model AH and C



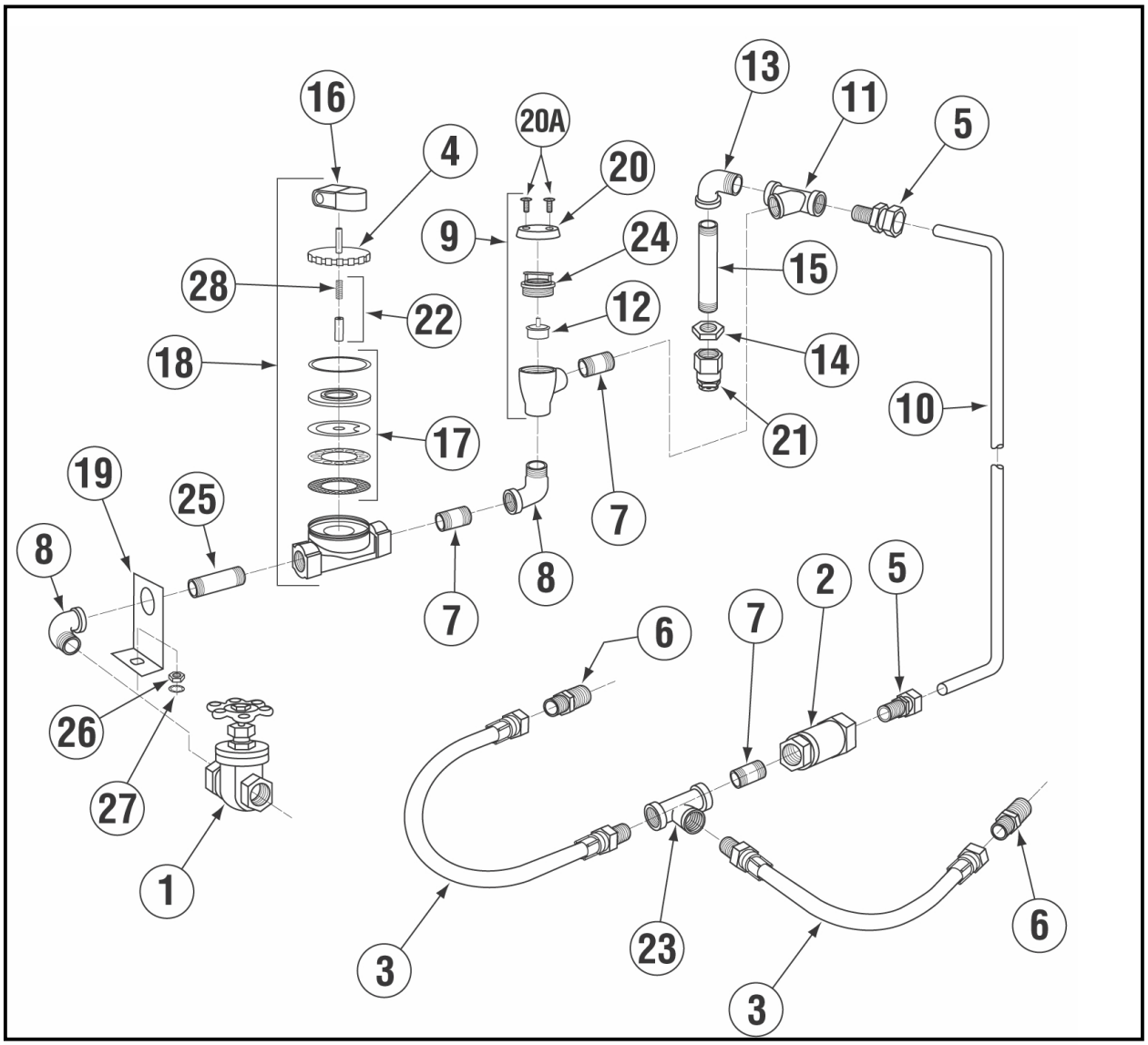
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00700.00	3/4" Gate Valve
2	1	00715.00	Ball Check Valve
3	1	00798.00	SS Braided Hose
4	1	00705.20	Water Solenoid Valve Bonnet
5	2	00760.00	5/8" Comp x 1/2" MIP Fitting
6	1	00214.50	1/2" Comp x 3/8" MIP Fitting
7	2	00701.00	3/4" x 1-½" Nipple
8	2	00704.00	3/4" Street Elbow
9*	1	00710.50	3/4" Vacuum Breaker
10	1	00795.00	Flush Tube
11	1	00716.00	1/2" x 3/4" x 1/2" Tee
12	1	00735.00	Repair Kit (Vacuum Breaker)
13	1	00745.00	1/2" Street Elbow
14	2	00721.00	1/2" Jamb Nut

*P/N 00710.50 includes items 12, 20, 20A and 24

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
15	1	00747.10	1/2" x 5" Nipple
16	1	00738.10	Solenoid Coil, J/E
17	1	00706.00	Repair Kit (Water Solenoid)
18**	1	00705.00	3/4" Water Solenoid
19	1	01525.06	Plumbing Support Bracket
20	1	00739.50	Vacuum Breaker Cap SS
20A	2	00421.51	6-32 x 1/4" SS Pan Head Screw
21	1	00748.00	Sprinkler Head
22	1	00786.00	Water Solenoid Plunger, G Style ¾" x ½"
23	1	00912.00	1/4"-20 Nylon Lock Nut
23A	1	00926.00	1/4" SS Washer
24	1	00735.60	Vacuum Breaker Bonnet, Brass
25	1	00781.00	3/4" x 3-½" Nipple, Brass
26	1	00706.10	3/4" Solenoid Plunger, Spring Only

**P/N 0705.00 includes items 4, 16, 17, 22 and 26

3.2.10. Plumbing System Assembly for Model B



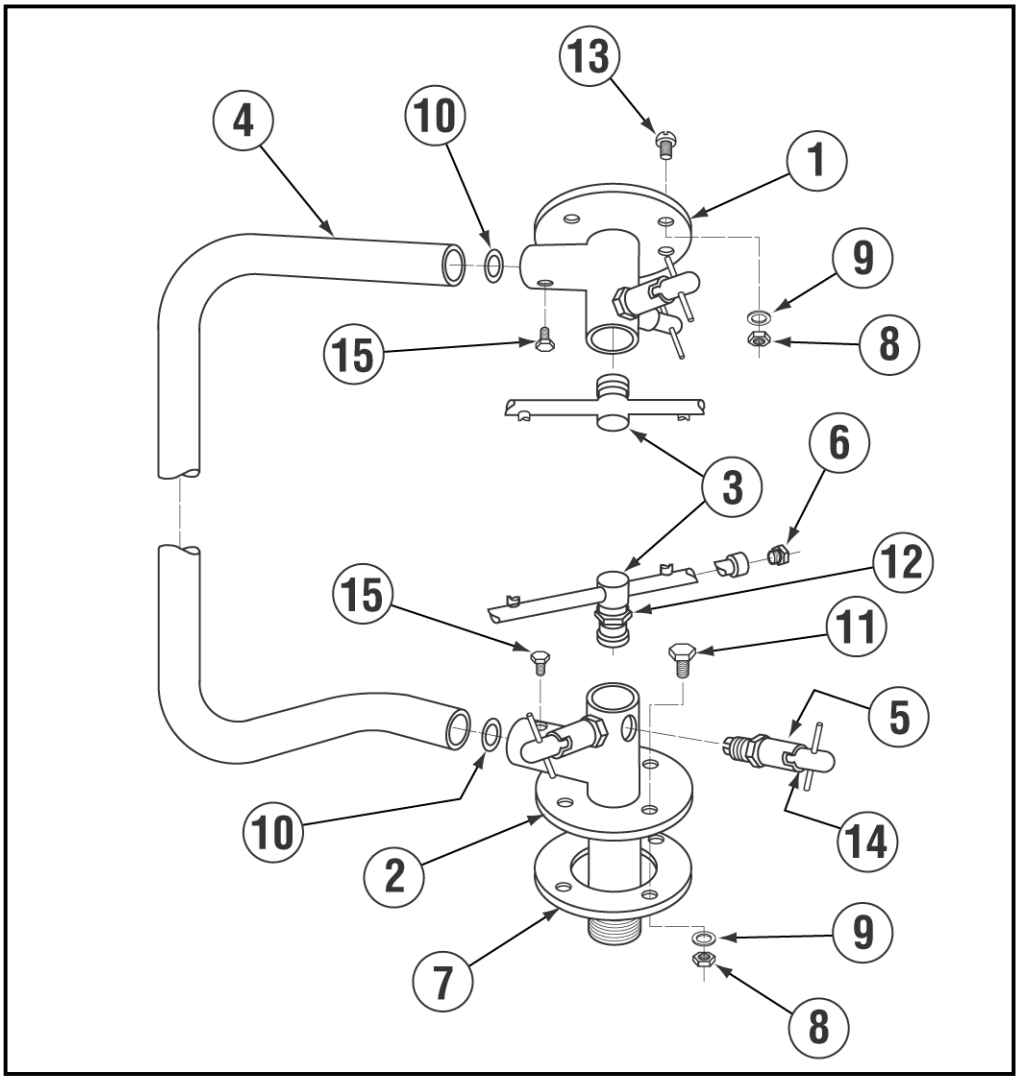
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00700.00	3/4" Gate Valve
2	1	00715.00	Ball Check Valve
3	2	00798.00	SS Braided Hose
4	1	00705.20	Water Solenoid Valve Bonnet
5	2	00760.00	5/8" Comp x 1/2" MIP Fitting
6	2	00214.50	1/2" Comp x 3/8" MIP Fitting
7	3	00701.00	3/4" x 1-½" Nipple
8	2	00704.00	3/4" Street Elbow
9*	1	00710.50	3/4" Vacuum Breaker
10	1	00795.00	Flush Tube
11	1	00716.00	1/2" x 3/4" x 1/2" Tee
12	1	00735.00	Repair Kit (Vacuum Breaker)
13	1	00745.00	1/2" Street Elbow
14	2	00721.00	1/2" Jamb Nut

*P/N 00710.50 includes items 12, 20, 20A and 24

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
15	1	00747.10	1/2" x 5" Nipple
16	1	00738.10	Solenoid Coil, J/E
17	1	00706.00	Repair Kit (Water Solenoid)
18**	1	00705.00	3/4" Water Solenoid
19	1	01525.06	Plumbing Support Bracket
20	1	00739.50	Vacuum Breaker Cap SS
20A	2	00421.51	6-32 x 1/4" SS Pan Head Screw
21	1	00748.00	Sprinkler Head
22	1	00786.00	Water Solenoid Plunger, G Style ¾" x ½"
23	1	00743.10	½" Tee FxFxF Brass
24	1	00735.60	Vacuum Breaker Bonnet, Brass
25	1	00781.00	3/4" x 3-½" Nipple, Brass
26	1	00912.00	1/4"-20 Nylon Lock Nut
27	1	00922.00	1/4" Lock Star Washer
28	1	00706.10	3/4" Solenoid Plunger Spring

**P/N 0705.00 includes items 4, 16, 17, 22 and 26

3.2.11. Spray System Assembly for Model AH



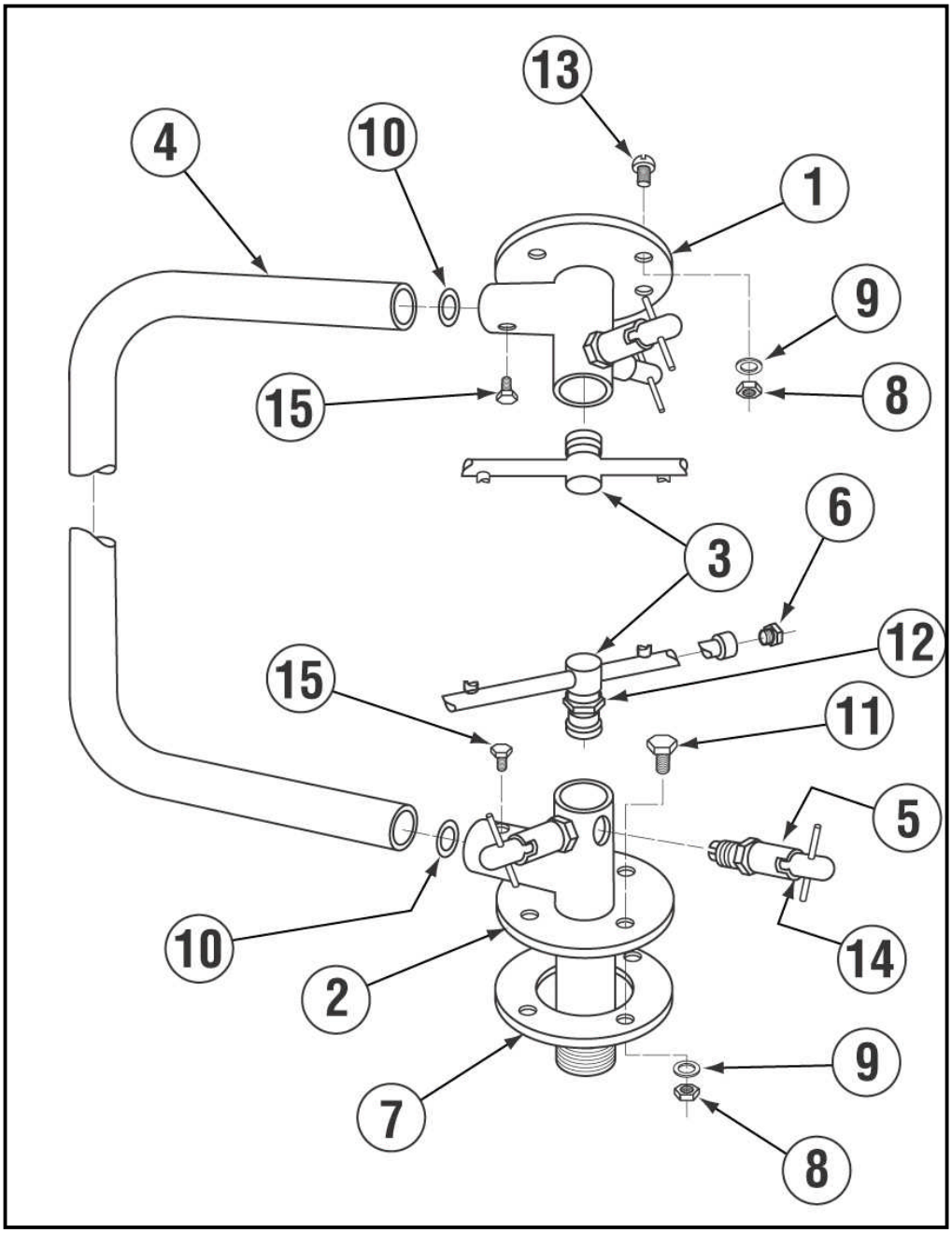
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00361.10	Upper Spray Base, SS*
2	1	00360.10	Lower Spay Base, SS*
3	2	00304.06	Spray Arm A/C Series
4	1	00303.32	Manifold, AH
5	4	00363.00	Spray Base Lock Pin**
6	4	00308.50	Spray Arm End Plug
7	1	00302.00	Spray Base Gasket
8	8	00912.00	1/4 Nylon Lock Nut

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
9	16	00924.00	1/4" SS Washer
10	2	00302.51	O-Ring Spray Base
11	4	00914.10	1/4"-20 x 5/8" Hexhead Bolt
12	2	00341.00	Spray Arm Bearing
13	4	00929.00	1/4"-20 x 3/4" Trusshead Bolt
14	1	00363.10	Lock Arm Spring
15	2	00966.10	10-32 x 1/4" Hexhead Bolt

* Includes item 5, P/N 00363.00

** Includes item 14, P/N 00363.10

3.2.12. Spray System Assembly for Model B



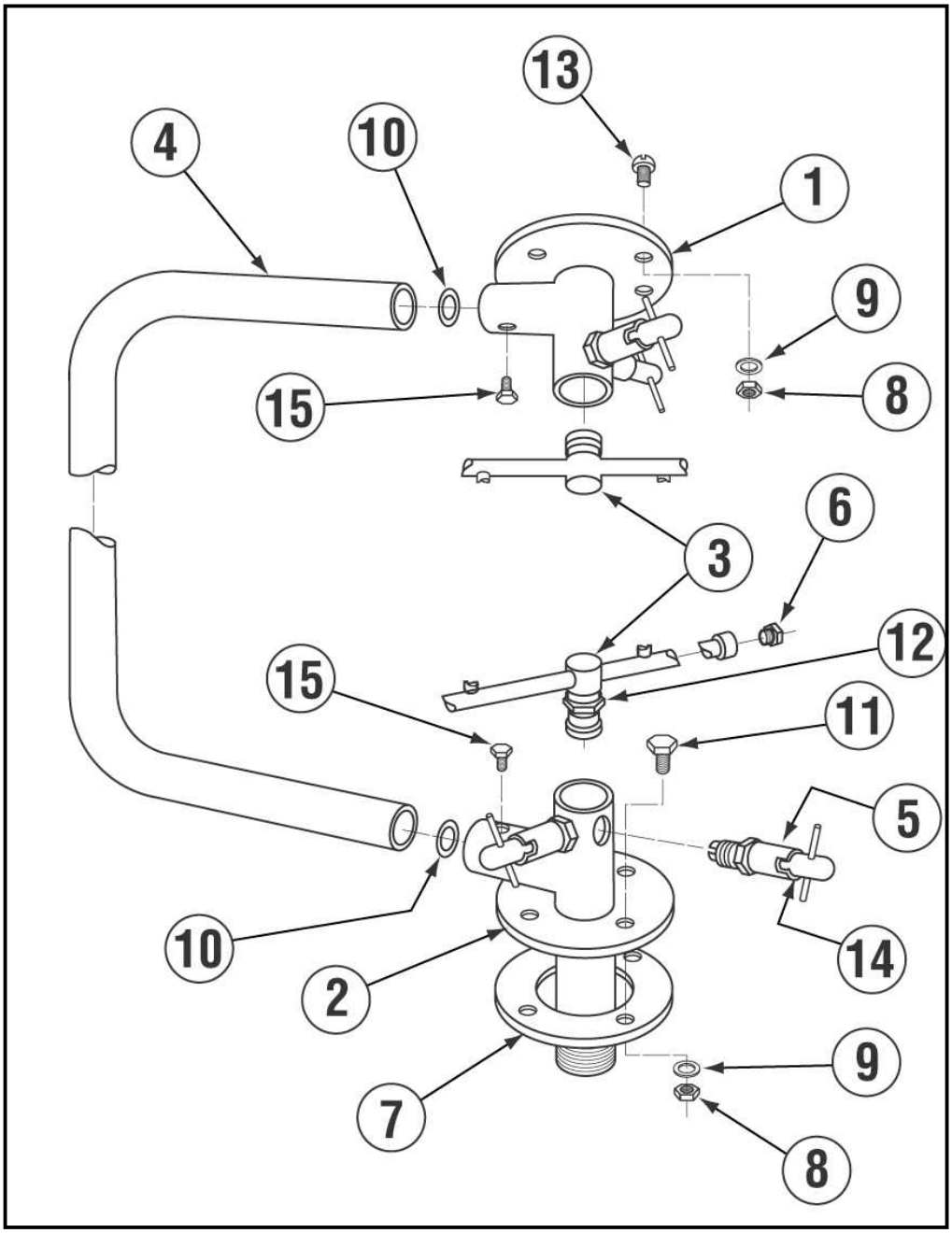
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	2	00361.10	Upper Spray Base, SS*
2	2	00360.10	Lower Spay Base, SS*
3	4	00304.03	Spray Arm B Series
4	2	00303.33	Manifold B
5	8	00363.00	Spray Base Lock Pin**
6	8	00308.50	Spray Arm End Plug
7	2	00302.00	Spray Base Gasket
8	16	00912.00	1/4 Nylon Lock Nut

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
9	32	00924.00	1/4" SS Washer
10	4	00302.51	O-Ring Spray Base
11	8	00914.10	1/4"-20 x 5/8" Hex Head Bolt
12	4	00341.00	Spray Arm Bearing
13	8	00929.00	1/4"-20 x 3/4" Truss Head Bolt
14	2	00363.10	Lock Arm Spring
15	4	00966.10	10-32 x 1/4" Hex Head Bolt

* Includes item 5, P/N 00363.00

** Includes item 14, P/N 00363.10

3.2.13. Spray System Assembly for Model C



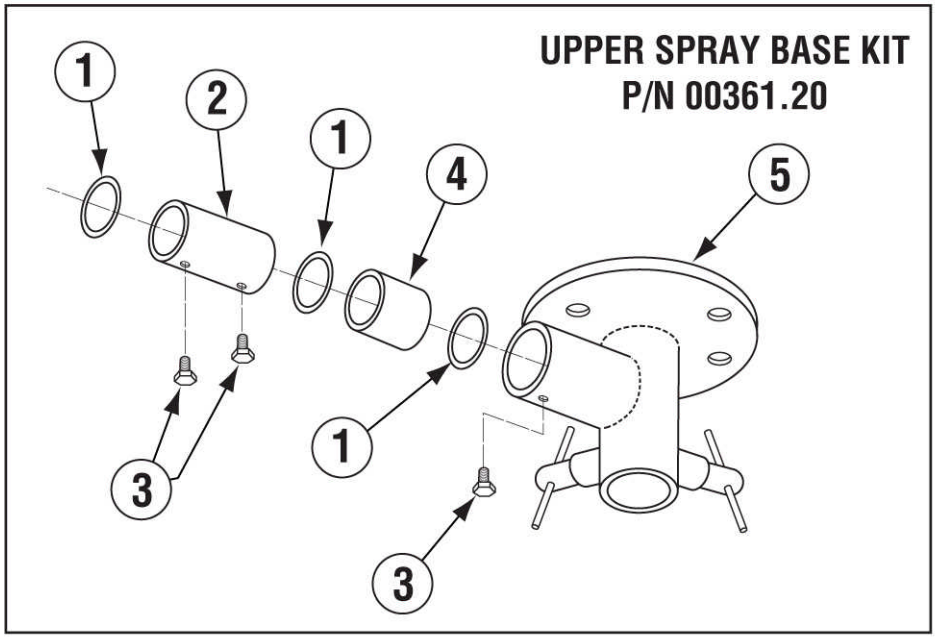
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00361.10	Upper Spray Base, SS*
2	1	00360.10	Lower Spay Base, SS*
3	2	00304.06	Spray Arm A/C Series
4	1	00303.34	Manifold, C
5	4	00363.00	Spray Base Lock Pin**
6	4	00308.50	Spray Arm End Plug
7	1	00302.00	Spray Base Gasket
8	8	00912.00	1/4 Nylon Lock Nut

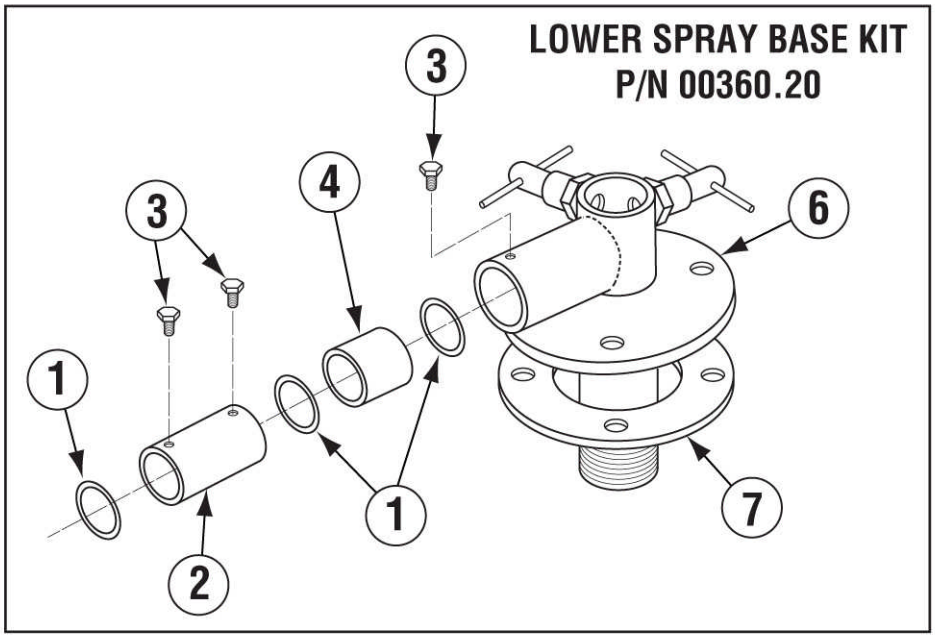
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
9	16	00924.00	1/4" SS Washer
10	2	00302.51	O-Ring Spray Base
11	4	00914.10	1/4"-20 x 5/8" Hexhead Bolt
12	2	00341.00	Spray Arm Bearing
13	4	00929.00	1/4"-20 x 3/4" Trusshead Bolt
14	1	00363.10	Lock Arm Spring
15	2	00966.10	10-32 x 1/4" Hexhead Bolt

* Includes item 5, P/N 00363.00

** Includes item 14, P/N 00363.10

3.2.14. Spray Base Conversion Kit

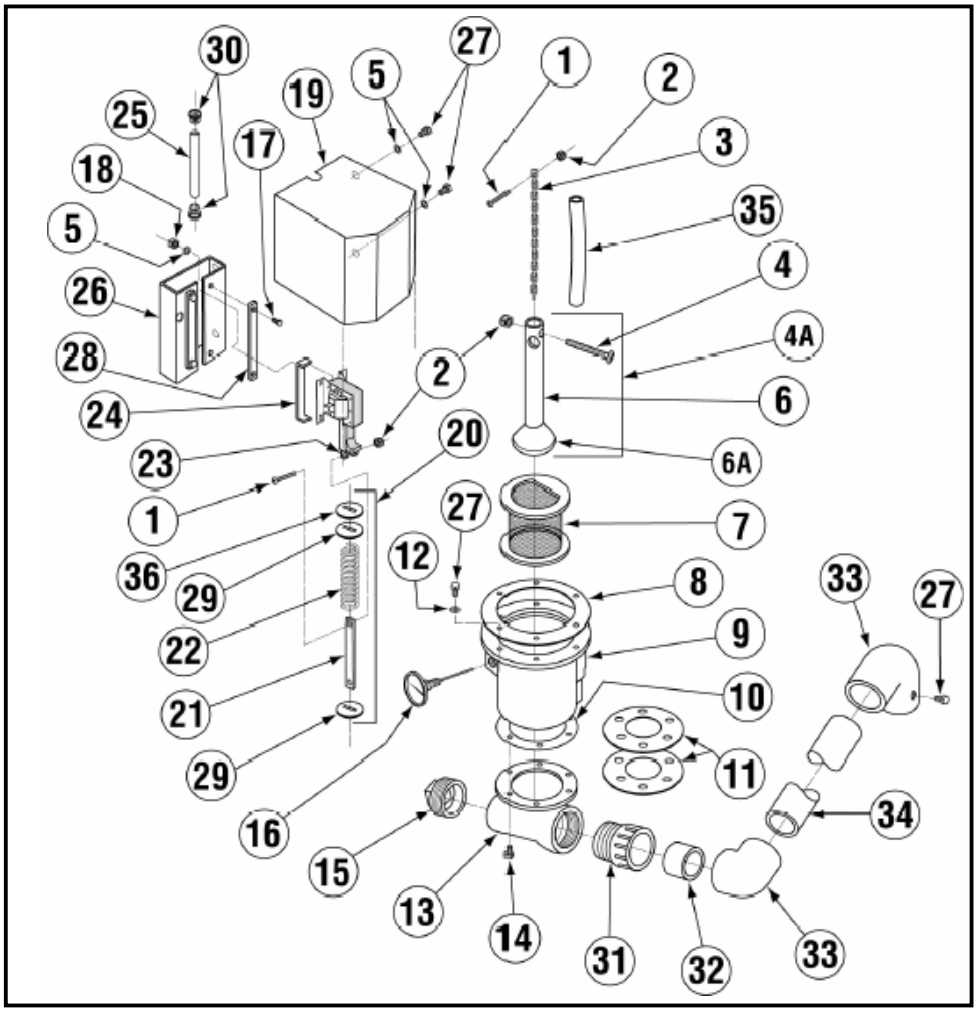




ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	6	00302.51	O-Ring
2	2	00344.00	Coupling Spacer
3	6	00966.10	10-32 x 1/4" Hexhead Bolt
4	2	00344.20	Coupling Spacer

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
5	1	00361.10	Upper Spray Base
6	1	00360.10	Lower Spray Base
7	1	00302.00	Spray Base Gasket

3.2.15. Drain System Assembly for Model AH and C



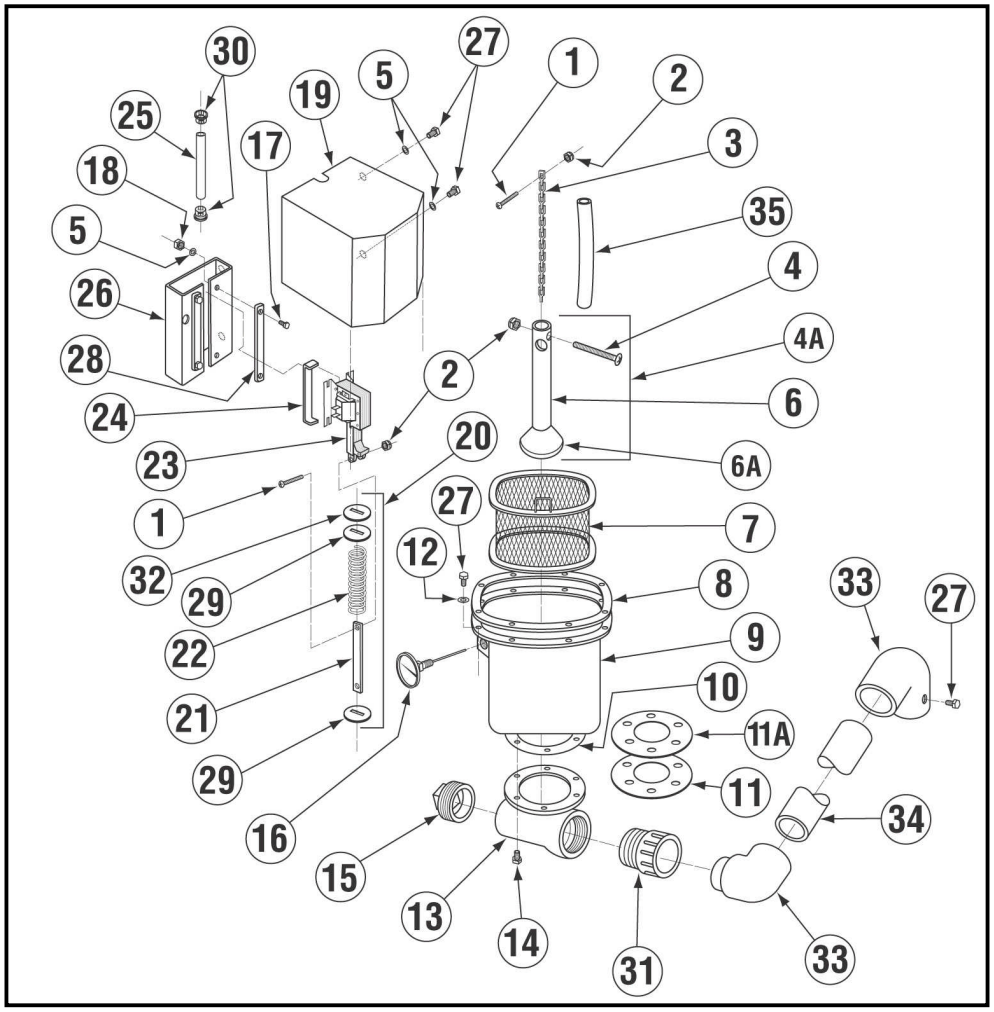
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	2	03812.00	8-32 x 5/8" Pan Head Screw
2	3	00927.00	8-32 Nylon Lock Nut
3	1	00110.07	Chain
4	1	00902.00	8-32 x 1-1/4" Pan Head Screw
4A*	1	00121.00	Drain Ball Assy.
5	6	00922.00	1/4" Lock Washer, Star
6	1	00121.51	Drain Ball Tube
6A	1	00121.52	Drain Ball Dome, Silicon
7	1	00115.06	Drain Screen Assembly
8	1	00112.06	Drain Sump Gasket
9	1	00111.06	Drain Sump
10	1	00114.00	Drain-Tee Gasket
11	1 (Opt)	00124.50	SS Drain Ball Seat (Optional)
		00125.00	Rubber Drain Ball Seat (Optional)
12	6	00924.00	1/4" SS Washer
13	1	00113.50	Drain-Tee
14	6	00920.00	5/16"-18 x 3/4" Screw
15	1	00130.00	1-1/2" PVC Drain-Tee End Plug
16	1	00120.00	Thermometer
17	4	00914.00	1/4"-20 x 3/4" Hex Head Screw

**Includes items 6 and 6A*

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
18	4	00915.00	1/4"-20 Nut
19	1	01507.50	Solenoid Cover, A, B, C
20**	1	00122.00	Drain Solenoid Spring Assembly
21	1	01551.00	Solenoid Link
22	1	00105.00	Solenoid Spring
23	1	00100.00	Solenoid
24	1	01550.00	Solenoid Stop
25	1	00464.07	3/8" Solenoid Tubing
26	1	00102.00	Solenoid Base
27	9	00906.00	1/4"-20 x 1/2" Hex Head Bolt
28	2	00103.00	Solenoid Bar
29	2	00106.00	Split Washer (Large)
30	2	00936.00	312-250 Shorty Bushing
31	1	01313.00	2" PVC Slip x MPT Adapter
32	1	05030.10	2" x 3" PVC Tubing
33	2	01311.00	2" 90 Deg. Elbow, Slip x Slip
34	1	05030.20	2" x 8" PVC Tubing
35	1	41019.11	1/2" ID x 9" Clear Hose
36	1	00105.20	Drain Solenoid Linkage Washer

***Includes items 1, 2, 21, 22, 29 and 36*

3.2.16. Drain System Assembly for Model B



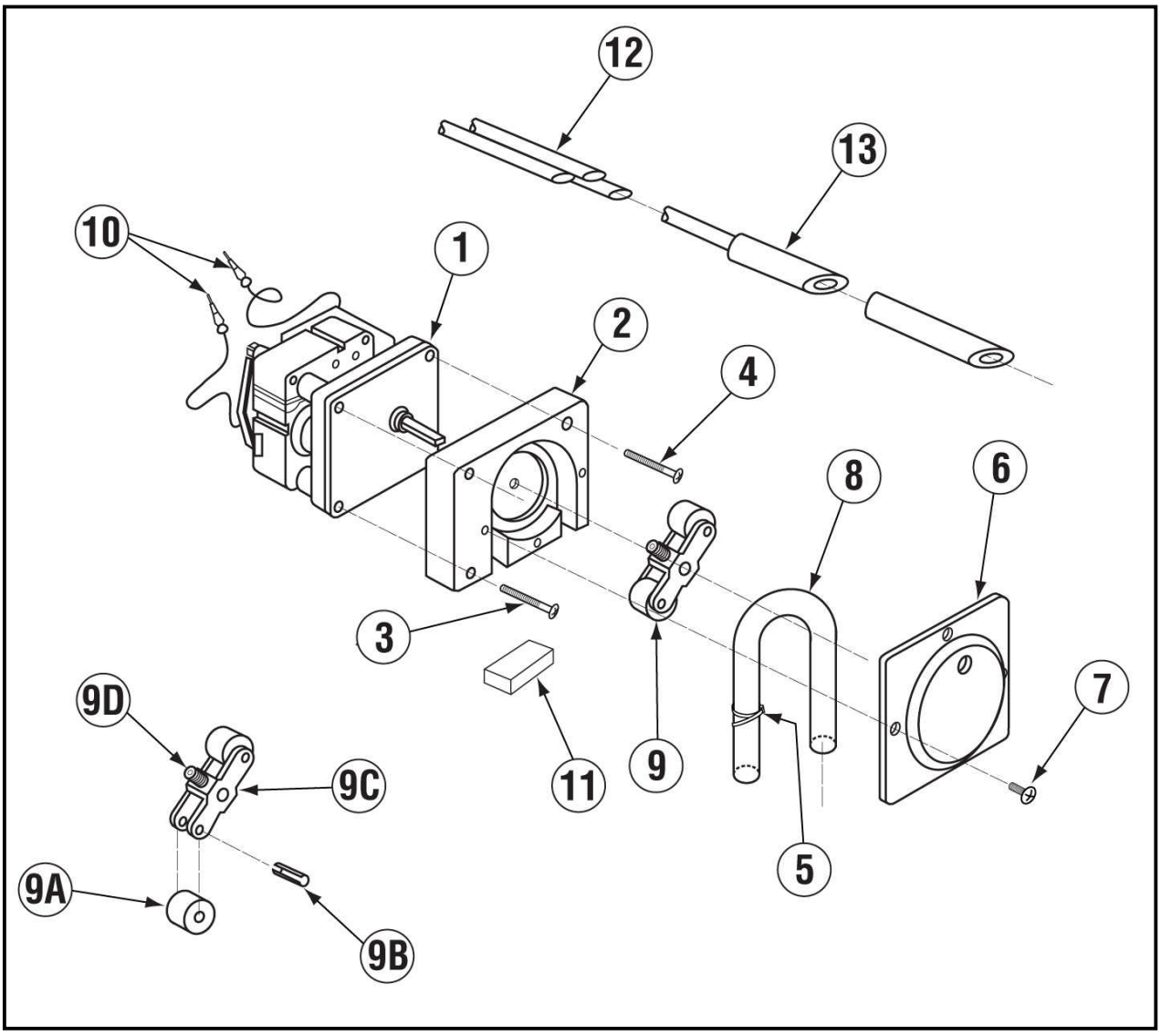
ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	2	03812.00	8-32 x 5/8" Pan Head Screw
2	3	00927.00	8-32 Nylon Lock Nut
3	1	00110.07	Chain
4	1	00902.00	8-32 x 1-1/4" Pan Head Screw
4A*	1	00121.00	Drain Ball Assy.
5	6	00922.00	1/4" Lock Washer, Star
6	1	00121.51	Drain Ball Tube
6A	1	00121.52	Drain Ball Dome, Silicon
7	1	00115.30	Drain Sump Screen B
8	1	00112.03	Drain Sump Gasket B
9	1	00111.03	Drain Sump B
10	1	00114.00	Drain-Tee Gasket
11	1 (Opt)	00124.50	SS Drain Ball Seat (Optional)
		00125.00	Rubber Drain Ball Seat (Optional)
12	8	00924.00	1/4" SS Washer
13	1	00113.50	Drain-Tee
14	6	00920.00	5/16"-18 x 3/4" Screw
15	1	00130.00	1-1/2" PVC Drain-Tee End Plug
16	1	00120.00	Thermometer

**Includes items 6 and 6A*

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
17	4	00914.00	1/4"-20 x 3/4" Hex Head Screw
18	4	00915.00	1/4"-20 Nut
19	1	01507.50	Solenoid Cover, A, B, C
20**	1	00122.00	Drain Solenoid Spring Assembly
21	1	01551.00	Solenoid Link
22	1	00105.00	Solenoid Spring
23	1	00100.00	Solenoid
24	1	01550.00	Solenoid Stop
25	1	00464.07	3/8" Solenoid Tubing
26	1	00102.00	Solenoid Base
27	11	00906.00	1/4"-20 x 1/2" Hex Head Bolt
28	2	00103.00	Solenoid Bar
29	2	00106.00	Split Washer (Large)
30	2	00936.00	312-250 Shorty Bushing
31	1	01313.00	2" PVC Slip x MPT Adapter
32	1	00105.20	Drain Solenoid Linkage Washer
33	2	01311.00	2" 90 Deg. Elbow, Slip x Slip
34	1	05030.20	2" x 8" PVC Tubing
35	1	41019.11	1/2" ID x 9" Clear Hose

***Includes items 1, 2, 21, 22, 29 and 32*

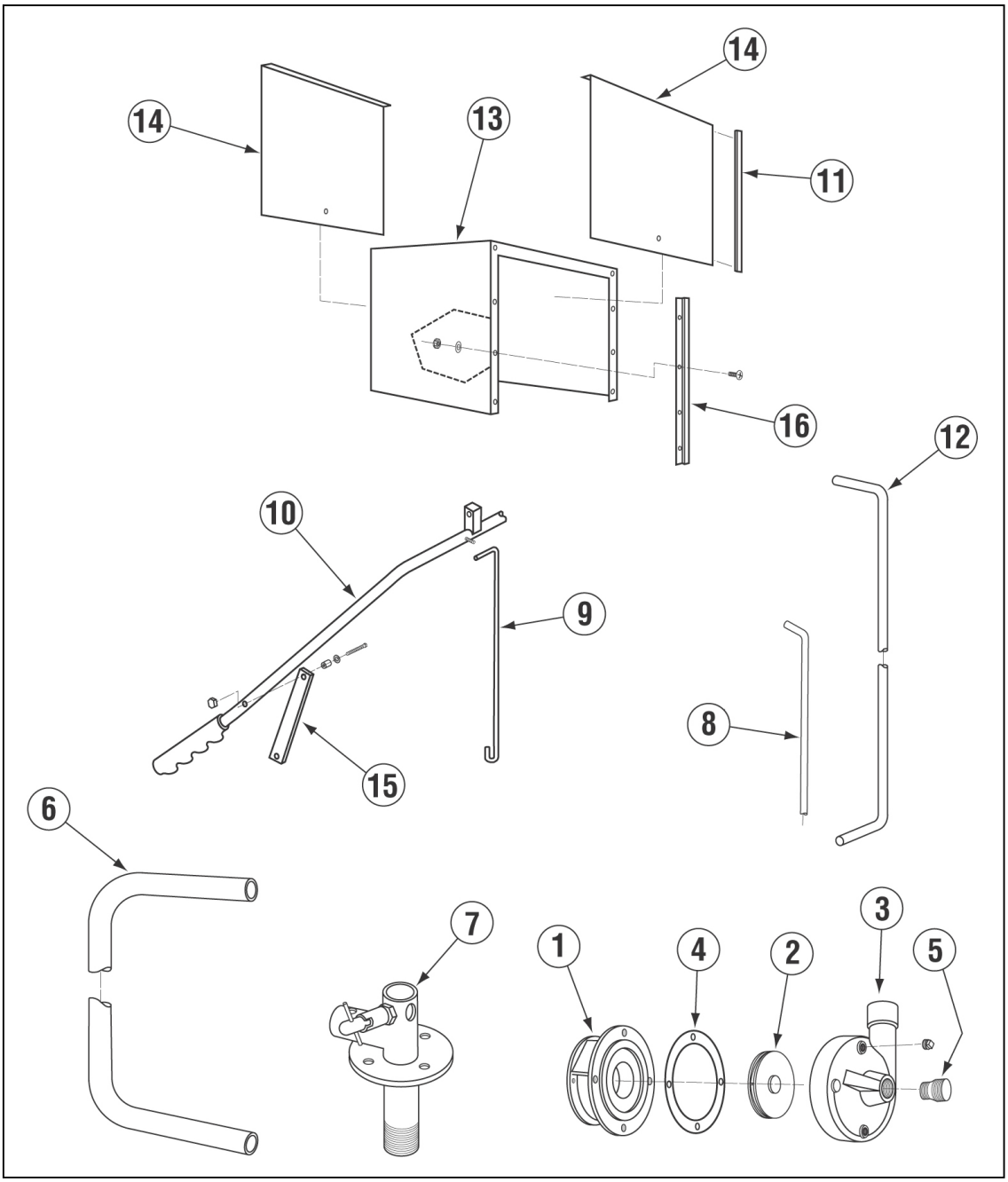
3.2.17. Peristaltic Pump Assembly



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00416.00	Peristaltic Pump Motor
2	1	00417.00	Peristaltic Pump Block
3	2	00919.00	10-32 x 1-1/2" Pan Head Screw
4	1	00918.00	10-32 x 1-1/2" Fillister Head Screw
5	1	00932.00	Twist Tie
6	1	00418.00	Peristaltic Pump Block Cover
7	4	00911.00	8-32 x 1/2" Pan Head Screw
8	1	00435.00	Squeeze Tube
9	1	00419.00	2-Bearing Rotor Assembly
9A	2	00423.00	Rotor Bearing

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
9B	2	00422.00	Rotor Bearing Pin
9C	1	00424.00	Rotor Bearing Carriage
9D	1	00935.00	1/4-20 x 1/4" Allen Screw
10	2	00448.00	Barrel Connector, Male
11	1	00420.00	Felt Pad (optional)
12	1	00443.00	Tube Stiffener
13	1	00425.51	Chemical Tubing, Blue
		00425.53	Chemical Tubing, Red
		00425.54	Chemical Tubing, White

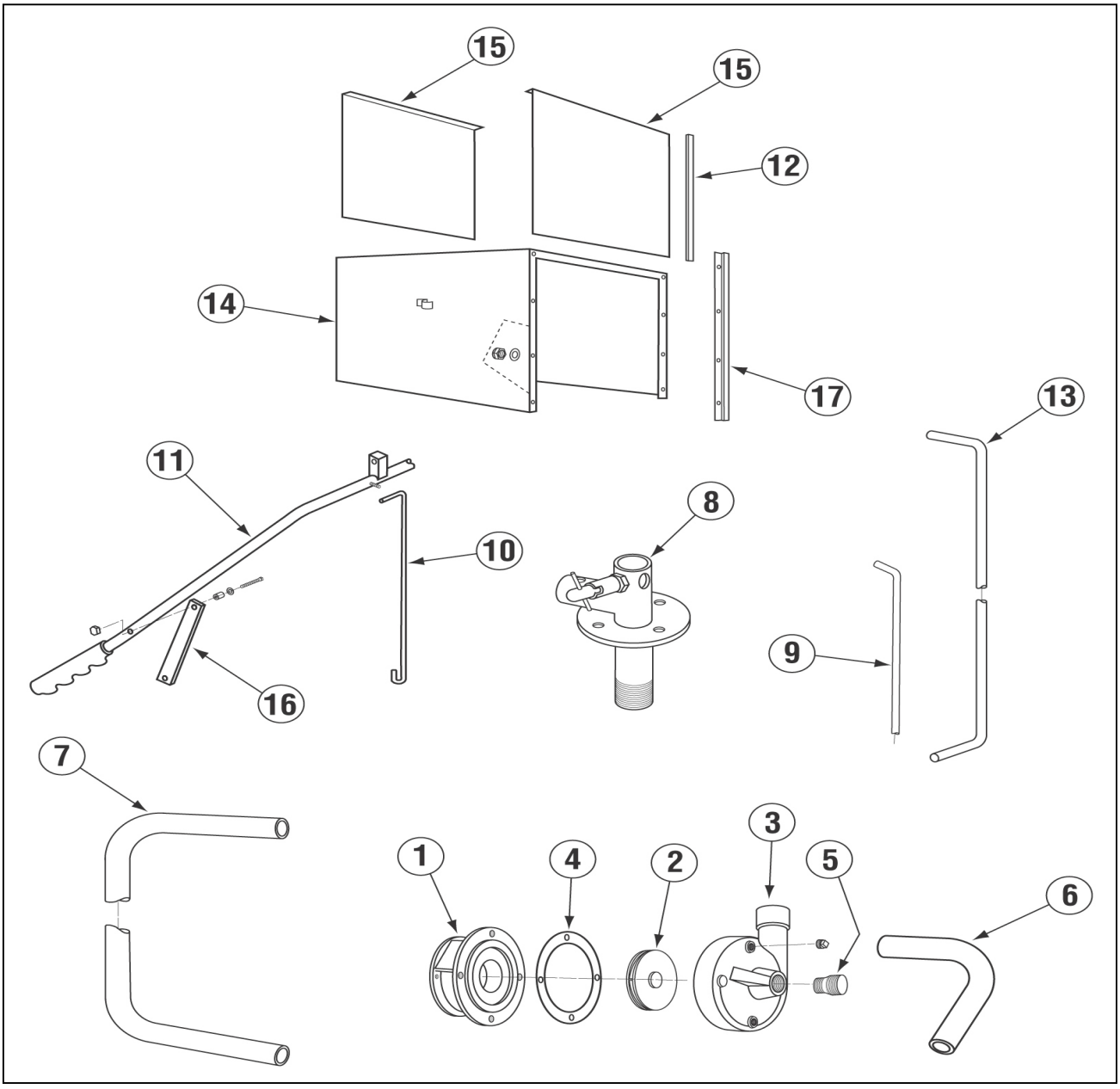
3.2.18. Unique Parts For Scullary AH



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00202.00	Pump Base
2	1	00203.05	(Impeller) 4 ½"
3	1	00204.00	Pump Cover Large
4	1	00205.00	Pump Gasket
5	1	00212.50	1 ½" - 1 ¼" Adapter
6	1	00303.22	Manifold Scullary AH
7	1	00364.10	Lower Spray Base LP Short Assy
8	1	00464.22	SS Tubing For Sol. Wire (Scull AH)

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
9	2	00603.63	Door Spring Ext Rod UW & Scull
10	1	00613.22	Door Handle (Scullary)
11	4	00636.30	EZ Glide Plastic Dr Guide 31 ¾"
12	1	00795.12	Flush Tube (Scullary AH)
13	1	01500.22	Wrapper (Scullary-AH)
14	2	01506.20	Door (Scullary & CWS)
15	2	01553.20	Door Handle Link (S)
16	4	01554.50	EZ Glide Door Guide SS 33"

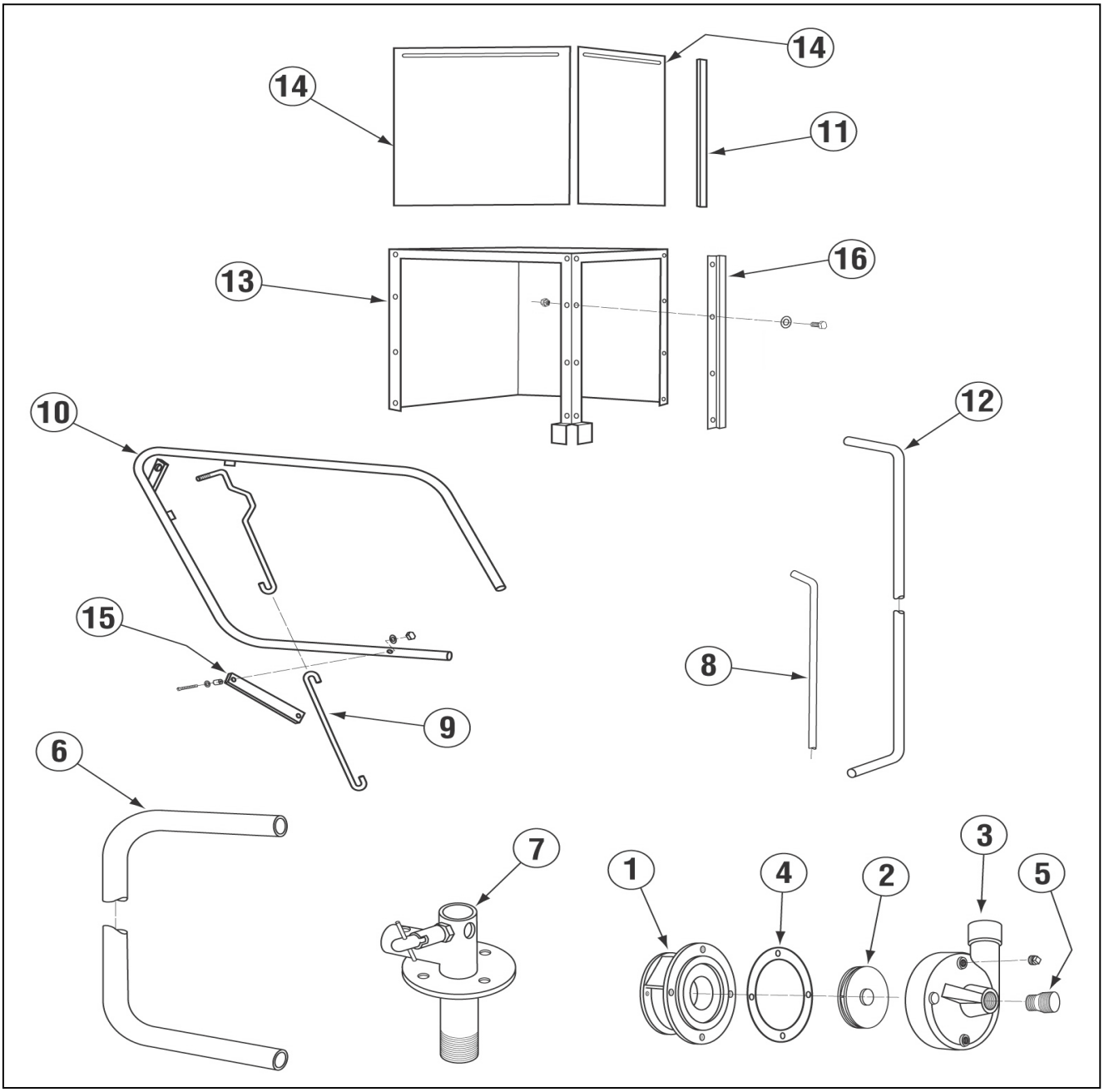
3.2.19. Unique Parts For Scullary B



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	2	00202.00	Pump Base
2	2	00203.05	(Impeller) 4 ½"
3	2	00204.00	Pump Cover Large
4	2	00205.00	Pump Gasket
5	2	00212.50	1 ½" - 1 ¼" Adapter
6	1	00246.27	Suction Pipe Scull B Right
7	2	00303.23	Manifold Scullary B
8	2	00364.10	Lower Spray Base LP Short Assy
9	1	00464.23	SS Tubing For Sol. Wire (Scull B)

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
10	2	00603.63	Door Spring Ext Rod UW & Scull
11	1	00613.22	Door Handle (Scullary)
12	4	00636.30	EZ Glide Plastic Dr Guide 31 ¾"
13	1	00795.13	Flush Tube (Scullary B)
14	1	01500.23	Wrapper (Scullary-B)
15	2	01506.20	Door (Scullary & CWS)
16	2	01553.20	Door Handle Link (S)
17	4	01554.50	EZ Glide Door Guide SS 33"

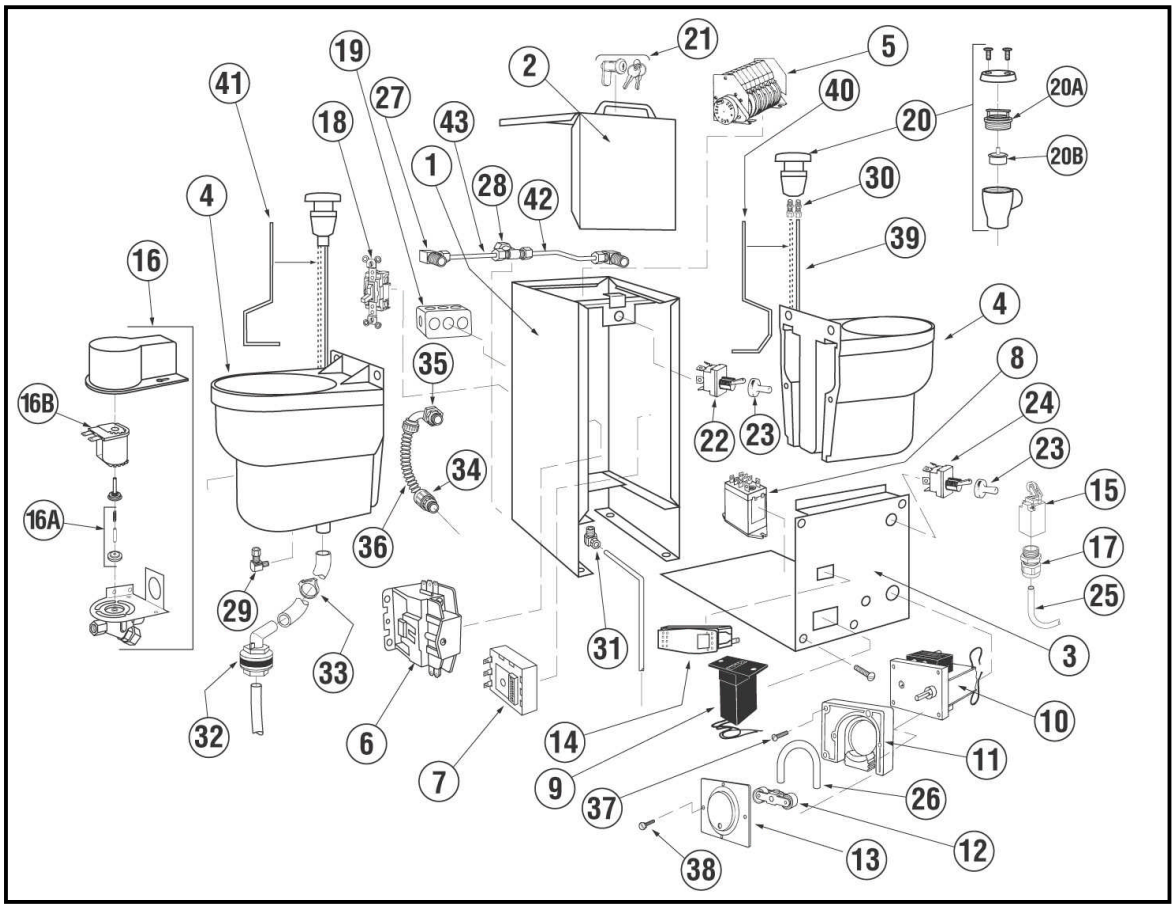
3.2.20. Unique Parts For Scullary C



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	00202.00	Pump Base
2	1	00203.05	(Impeller) 4 ½"
3	1	00204.00	Pump Cover Large
4	1	00205.00	Pump Gasket
5	1	00212.50	1 ½" - 1 ¼" Adapter
6	1	00303.24	Manifold Scullary Corner
7	1	00364.10	Lower Spray Base LP Short Assy
8	1	00464.24	SS Tubing For Sol. Wire (Scull C)

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
9	2	00604.24	Door Extension Link (Scull C)
10	1	00613.22	Door Handle Scullary Corner
11	4	00636.30	EZ Glide Plastic Dr Guide 31 ¾"
12	1	00795.14	Flush Tube (Scullary C)
13	1	01500.24	Wrapper (Scullary-C)
14	2	01506.20	Door (Scullary & CWS)
15	2	01553.20	Door Handle Link (S)
16	4	01554.50	EZ Glide Door Guide SS 33"

3.3. Optional Solid Bowl (Exploded View)

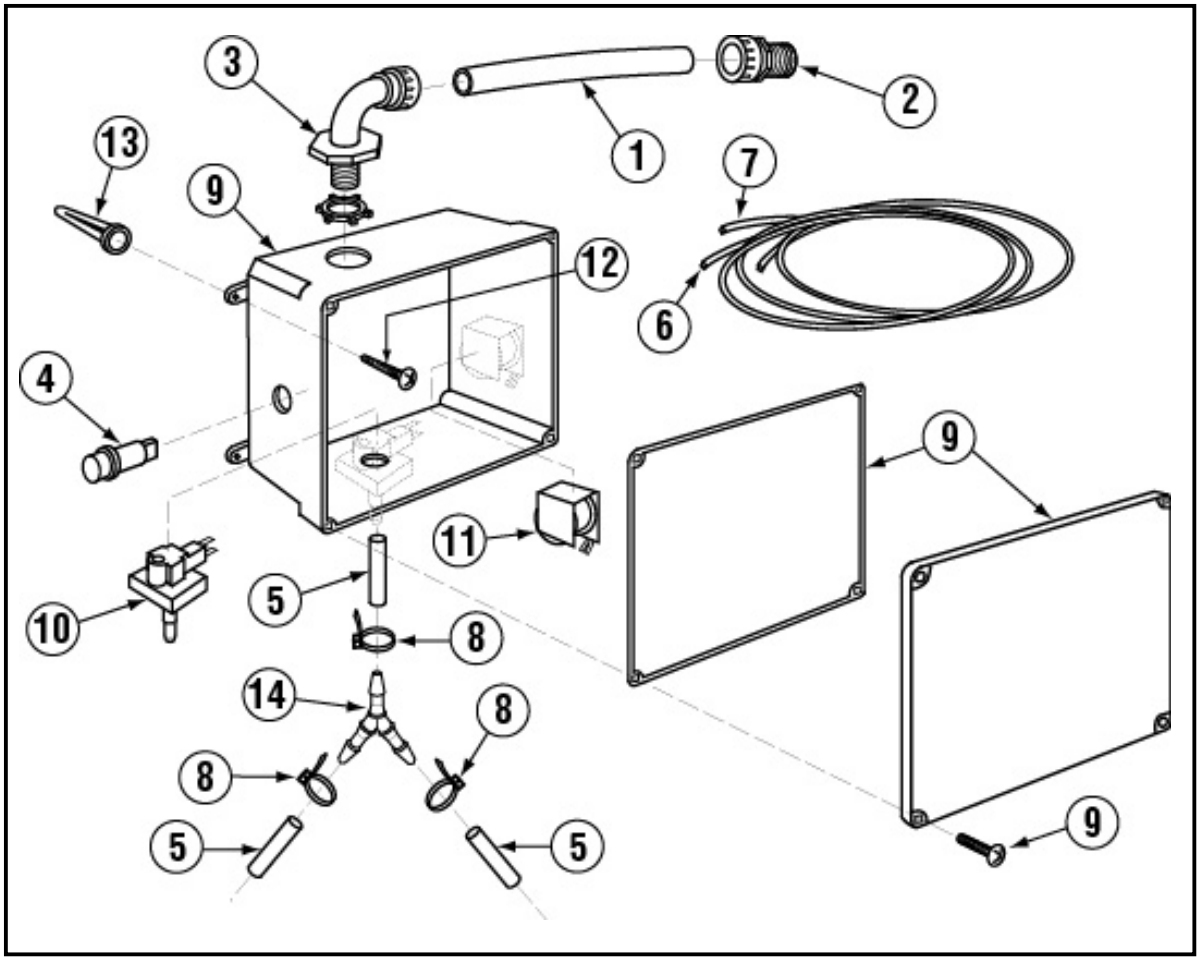


ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	01503.20	Solid Bowl Control Box
2	1	01504.20	Solid Bowl Control Box Lid
3	1	01503.25	Solid Bowl Slideout Tray
4	2	00461.00	Solid Bowl Dm #6000
5	1	00407.80	Timer, 90-sec. 8-cam
6	1*	00404.82	Motor Contactor, 120V **No. Req'd for Model B is 2*
7	1	00630.50	Solid Detergent/Rinse Timer Relay
8	1	00631.00	Ice Cube Relay
9	1	03408.50	Counter (Panel Mount, Small)
10	1	00416.00	Peri-Pump Motor
11	1	00417.00	Peri-Pump Block
12	1	00419.00	Peri-Pump Rotor
13	1	00418.00	Peri-Pump Cover
14	1	00421.40	Start/Fill Switch with Amber Light
15	1	00562.00	Roller Door Switch
16	2	41015.00	Water Solenoid Valve, 1/4", 120V
16A	2	41015.40	1/4" Water Solenoid Valve Repair Kit
16B	2	41015.60	1/4" Water Solenoid Valve Coil
17	1	00562.60	Connector for Roller Switch
18	1	00433.10	Master Switch, 20 Amp
19	1	03420.00	Electrical Bell Box
20	2	40110.50	Solid Bowl, 1/4" Vacuum Breaker
20A	2	40110.25	Vacuum Breaker Bonnet

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
20B	2	40110.10	Vacuum Breaker Repair Kit
21	1	00449.00	Lock and Key
22	1	00475.00	Delimer Switch
23	2	00470.10	Toggle Switch Rubber Boot
24	1	03470.00	Primer Switch
25	1	00546.00	18 AWG Switch Cord, 3 Feet
26	1	00435.00	Squeeze Tube
27	4	40112.00	1/4" Comp x 1/4" MIP Elbow
28	1	40116.10	1/4" TB x TB x TB Comp Tee
29	2	40118.00	1/4" Comp 1/8" MIP 90 Deg Elbow
30	4	40116.00	1/4" x 1/4" MIP Fitting
31	1	00436.00	3/8" 90 Deg Comp x MIP
32	2	40114.00	77 Deg Elbow, Bulkhead
33	2	40111.00	7/8" to 1" Snap Hose Clamp
34	4	00401.50	3/8" Black Nylon Straight Connector
35	2	00402.00	St. 90 Deg 3/8" Connector
36	1	00400.50	3/8" Black Flex Tubing, 2 Feet
37	2	00919.00	10-32 x 1-1/2" Panhead Bolt
38	4	00911.00	8-32 x 1/2" Panhead Screw
39	2	40110.30	¼" Water Line, Vac. Breaker To Bowl
40	1	40110.35	¼" Water Line, Wtr Sol. To Vac. Brk (R)
41	1	40110.40	¼" Water Line, Wtr Sol. To Vac. Brk (L)
42	1	41016.00	¼" Water Line, Tee to Water Sol. (R)
43	1	41016.10	¼" Water Line, Tee to Water Sol. (L)

3.4. Optional Sani Alarm (Exploded View)

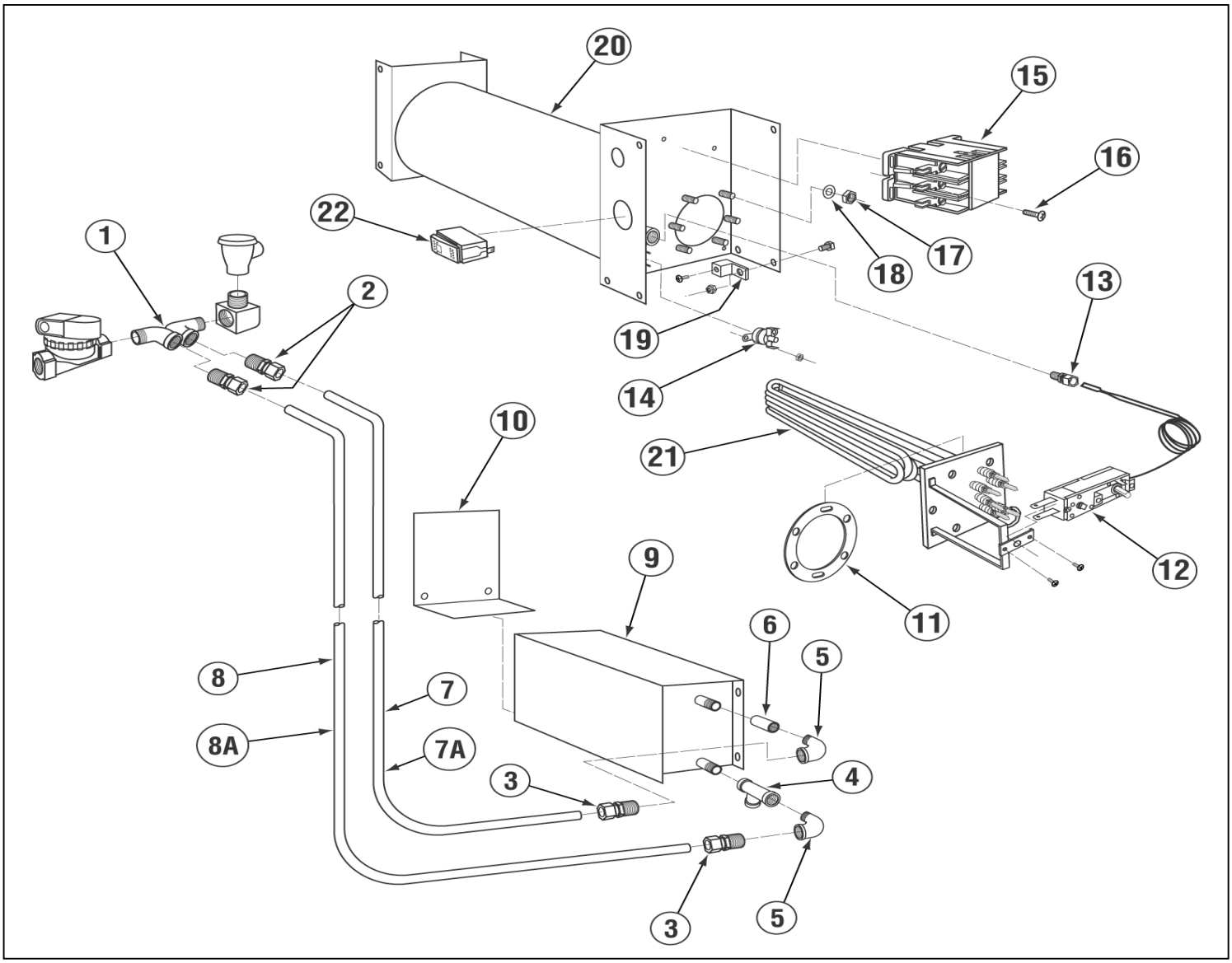
Part Number 12508.00



ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	3	00400.00	Conduit, 3/8" Sealtite
2	1	00401.00	S.T. 3/8" Straight Connector
3	1	00402.00	S.T. 90 Degree 3/8" Connector
4	1	00406.00	Control Box Light, .5" Diameter, Red
5	1	00435.00	Squeeze Tube, 8"
6	1	00521.00	Wire, 18 Gauge, Orange, 6 ft.
7	1	00531.00	Wire, 18 Gauge, White, 6 ft.

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
8	5	00931.00	Wire Tie, Small
9	1	12510.00	Sanitizer Alarm Box Assembly
10	1	12511.00	Sanitizer Low Level Vacuum Switch
11	1	12512.00	Sanitizer Alarm Buzzer, 120 Volts
12	4	40126.10	#10 x 3/4" Sheet metal Screw
13	4	40127.00	Wall Anchors
14	1	00426.00	Y Hose Connector, 3/16"

3.5. Temp-Sure Heater.

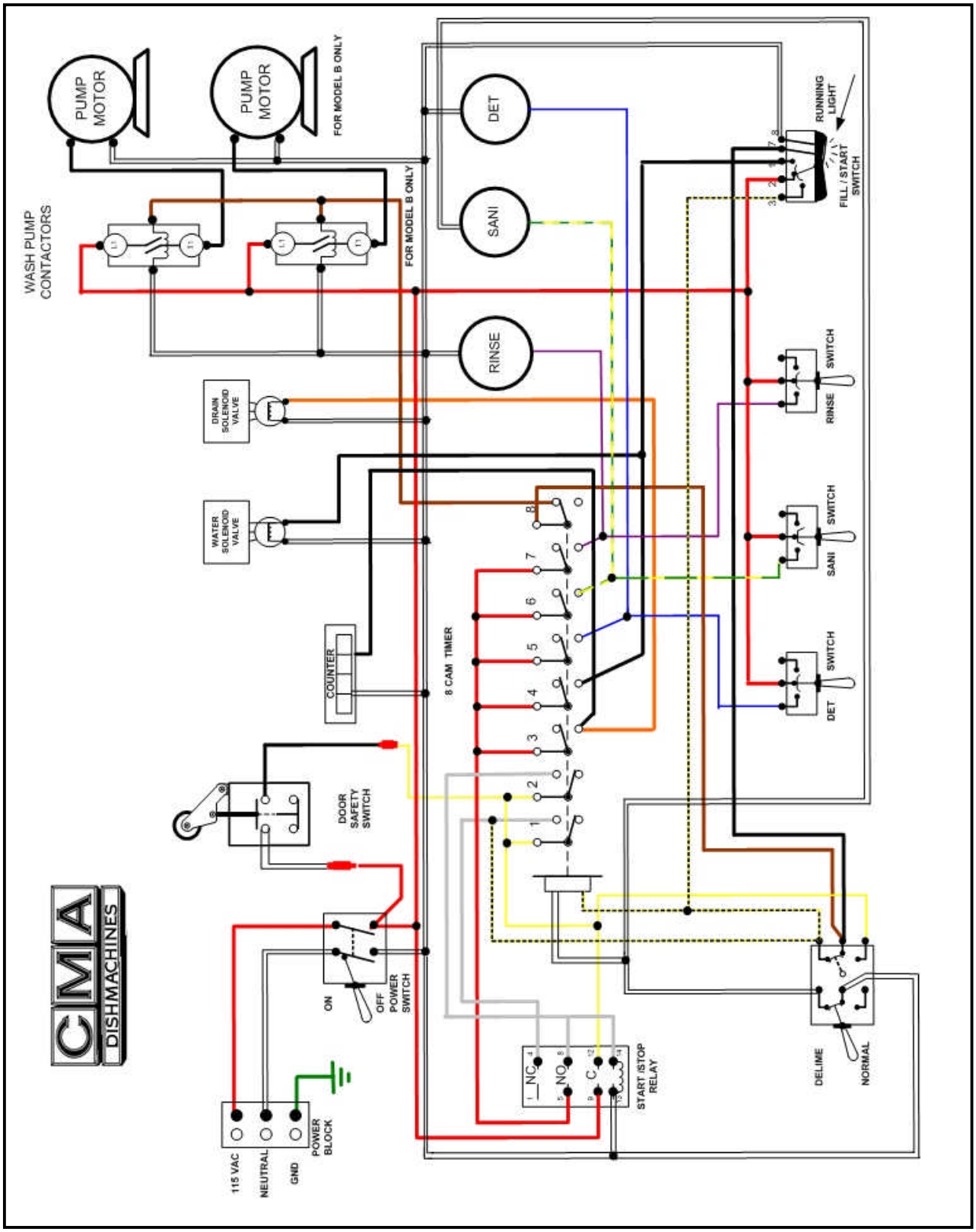


ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
1	1	13633.20	Booster Heater ¾" in/out Adapter
2	2	00761.00	5/8" Comp. x ¾" MIP Adapter
3	2	00760.00	5/8" Comp. x ½" MIP Adapter
4	1	00743.10	½" Tee FxFxF Brass
5	1	13620.00	½" S.S. Street Elbow
6	1	13618.00	½" S.S. Coupling
7	1	00793.00	Tempsure Discharge Line for AH
7A	1	00793.10	Tempsure Discharge Line for C
8	1	00794.00	Tempsure Intake Line for AH
8A	1	00794.10	Tempsure Intake Line for C
9	1	01594.00	3 Sided Heater Tank Shield
10	1	01594.10	Booster Heater Tank Access Cover

ITEM NO.	NO. REQ'D	P/N	DESCRIPTION
11	1	13417.47	CMA 180 Booster Heater Gasket
12	1	13417.89	Thermostat for 12 KW Heater (EVA)
13	1	00214.30	¼" Comp. x 3/8" MIP Ftg.
14	1	17523.51	Hi-Limit Switch 250 Deg.
15	1	13003.17	Contactor 60 Amp 3 Pole
16	2	00941.00	10-32x5/8" Panhead Screw
17	14	00912.00	¼-20 Nylon Lock Nut
18	6	00924.00	1/4" S.S. Washer
19	1	13426.50	Ground Block
20	1	01595.20	Heater Tank for Tempsure
21	1	13417.67	Immersion Heater 12 KW 3ph/1ph
22	1	00421.87	CMA-44 Rocker Switch White

3.6. Electrical Diagrams

3.6.1. Models AH /C & B



3.6.2. Solid Bowl